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U. S. Department of Agriculture



Bay State
Trees Shrubs
Hardy Plants
for Comfort
Beauty and
Increased
Home Values



IN PRESENTING our 1929 Catalogue, we are happy to greet our customers and friends again. We are sure that you will find this Handbook more helpful than ever before. Some inferior varieties have been eliminated from it and many choice new things and rare varieties have been added.

The descriptions are brief but we believe they are accurate and that the plants will fully justify them when properly cared for.

We thank the generous people who have patronized us in the past and so kindly expressed approval, not only of the quality of our stock, but also of our methods of packing, and assure them that our standards of quality and thorough packing are even higher now than ever.

From a very small beginning in 1894, with less than one acre, our nursery has grown until it now covers over 700 acres of land, of which there are 275 acres under cultivation at all times, and upon which is maintained one of the largest collections of ornamental nursery stock in the United States.

We take this opportunity to extend a cordial invitation to the reader to visit our nurseries, and feel sure that a pleasant surprise will be experienced. When in this neighborhood, don't fail to call upon us.

We consider pleased customers among our most valued assets

THE BAY STATE NURSERIES
NORTH ABINGTON, MASS.

TELEPHONE, ROCKLAND { ²⁶
1215



A group of Hardy Evergreens along the New England coast

EVERGREEN TREES

There are no more beautiful things in nature than well-grown, well-cared-for Evergreen Trees. They are gracious and cool-looking in summer and cozy and comfortable in winter, adding just the proper touch of green amid the ice and snow to heighten the beauty of our New England landscapes. They have become tremendously popular for home planting in recent years, and the business of supplying Evergreens to home-owners has become enormous. We have made every effort to meet the demand and have many acres devoted to them where they are carefully tended from seedlings and grafts to bushy, well-developed trees. In order to make them surer to grow and easy to handle when out of the ground, we transplant them frequently, to produce a ball of thread-like roots which will hold the soil firmly and allow them to be shipped and replanted with the least possible check and every assurance that they will live and prosper.

There is no end to their uses, just as there is no end to their infinite variety. Probably the owner of a small place will find best use for the dwarfer, slow-growing types which he can nestle around the foundation of his house, or group artistically at the corners of his steps, or in front of the porch. The larger place must have them for fine foliage groups, for windbreaks, for enclosing private portions of the grounds, for special formal treatment of various parts of his garden.

ABBREVIATIONS

Denoting Varieties Suitable for Seashore Planting: (†).
Denoting Rapidity of Growth: r, rapid; m, medium; s, slow; v, vigorous.
Denoting Size: L, large; M, medium; S, small; D, dwarf; VD, very dwarf.

Five or more plants of one kind will
be furnished at 10 rate

ABIES • Fir

A large family of shapely trees with beautiful foliage, usually growing to great height, and in the first twenty-five or thirty years are most ornamental, attaining great picturesqueness with age.

Abies concolor. *White Fir.* (Lm) A very hardy tree from the Rocky Mountains, with foliage of varying shades of dark green and blue. It grows rapidly and withstands heat and drought. As a single specimen, it is one of the most graceful and perfect trees. 5 to 6 ft., \$15 each; 4 to 5 ft., \$12 each; 3 to 4 ft., \$10 each.

A. fraseri. *Fraser Fir.* (Lr) Similar in appearance to the Balsam Fir, which we do not offer this season, but has darker foliage and thrives farther south. 3 to 4 ft., \$6.50 each; 2 to 3 ft., \$5 each.

A. veitchii. *Veitch Fir.* (Lr) The most rapid-growing of the Firs, making a tall, symmetrical tree with dark foliage, silvered on the under side. Very hardy and especially desirable for planting as a specimen. If its merits were more widely known it would be more generally planted. 4 to 5 ft., \$9 each; 3 to 4 ft., \$6.50 each; 2 to 3 ft., \$5 each.

CHAMÆCYPARIS

Japan Cypress

This family includes some of the most graceful and beautiful trees in Nature. Their soft feathery foliage is particularly attractive and they make splendid backgrounds for other planting. In smaller sizes they do well in window-boxes, small formal effects, and are amenable to growing in tubs.

Chamaecyparis obtusa compacta. *Football Cypress.* (Ms) A new dwarf variety of compact, globular growth. Splendid dark green foliage. 2 to 2½ ft., \$5 each.

C. obtusa nana. *Dwarf Hinoki Cypress.* (VDs) A very handsome, slow-growing, bushy evergreen, with dense, dark, extremely vivid foliage. Unusually attractive. 2 ft., \$5 each.

C. pisifera. *Sawara Retinospora.* (Lr) An upright, graceful tree, slightly pendulous at the end of the branches. In northern latitudes it should be planted in sheltered locations. 3 to 3½ ft., \$6 each; 2½ to 3 ft., \$5.50 each; 2 to 2½ ft., \$5 each.



CHAMÆCYPARIS, continued

- C. pisifera aurea.** *Golden Sawara Retinospora.* (Lr) Like the preceding, except for its beautiful golden foliage. 3 to 3½ ft., \$6.50 each; 2½ to 3 ft., \$6 each; 2 to 2½ ft., \$5 each.
- C. pisifera filifera.** *Thread Retinospora.* (Ms) A most ornamental tree, with bright green, string-like, drooping foliage which it retains at all seasons of the year. Best of all, it thrives in more or less shady places. 3 to 3½ ft., \$7.50 each, \$70 for 10; 2½ to 3 ft., \$6.50 each, \$60 for 10; 2 to 2½ ft., \$5.50 each, \$50 for 10; 18 to 24 in., \$4 each, \$36 for 10.
- C. pisifera filifera aurea.** *Golden Thread Retinospora.* (Ms) We like this tree the best of the Golden Cyresses. It is exactly like the preceding except that it has bright golden foliage. Makes a beautiful color-note among the other evergreens. 3 ft., \$12 each; 2½ ft., \$9 each; 2 ft., \$7 each; 18 in., \$6 each.
- C. pisifera plumosa.** *Plume Retinospora.* (Ms) Soft, feathery, light green foliage, and very graceful. To keep it from becoming open and ragged it should be sheared in the middle of June. All Japan Cyresses are splendid for plantings around the foundation of the house, and this variety is particularly fine for that purpose. 3 to 3½ ft., \$6 each, \$57 for 10; 2½ to 3 ft., \$5 each, \$48 for 10; 2 to 2½ ft., \$4.50 each, \$40 for 10; 18 to 24 in., \$3.50 each, \$33 for 10.
- C. pisifera plumosa aurea.** *Goldenplume Retinospora.* (Ms) A golden form of the preceding. It is one of the most popular evergreens, particularly liked for its rich yellow foliage, which shows up well among the more somber evergreens. 3 to 3½ ft., \$6 each, \$55 for 10; 2½ to 3 ft., \$5 each, \$45 for 10; 2 to 2½ ft., \$4.50 each, \$40 for 10; 18 to 24 in., \$3.50 each, \$33 for 10.
- C. pisifera plumosa lutescens.** *Dwarf Retinospora.* (VDs). A dwarf, globe-shaped plant, with feathery foliage of lighter color than the preceding. It is valuable for its low growth and the extra color tone it brings to the evergreens. 2½ ft., \$7 each; 2 ft., \$5.50 each; 18 in., \$4.50 each.
- C. pisifera plumosa sulphurea.** *Sulphurplume Retinospora.* (Ms) Similar to *C. pisifera plumosa aurea*, but the color is more brilliant, and is retained throughout the year. Prices and sizes same as *Chamæcyparis pisifera plumosa aurea*.
- C. pisifera squarrosa.** *Moss Retinospora.* (Ms) An ornamental Japanese tree, with bluish gray foliage. It should be planted in somewhat sheltered positions and its unusual beauty will repay the attention given it. 2 ft., \$5 each; 18 in., \$4 each.

JUNIPERUS · Juniper

Stately trees which are very effective in garden and landscape. There are low forms which make splendid covers for banks and rough ground. They are invaluable for formal effects, many of them having the fine columnar form required for architectural emphasis. They are very hardy.

Juniperus chinensis columnaris. *Columnar Chinese Juniper.* Compact, narrow tree, with grayish foliage. Very formal and useful for accent points, specimens, and special architectural effects. 4½ ft., \$10 each, \$95 for 10.

- †**J. chinensis pfitzeriana.** *Pfitzer Juniper.* (Ss) A dwarf, fan-shaped evergreen with horizontal, spreading branches, as broad as tall, of rough grayish green. It is very hardy, will thrive under very unfavorable conditions, and is very well adapted to planting about foundations, entrances and beside steps. 4 to 5 ft. spread, \$20 each; 3½ to 4 ft., \$15 each, \$140 for 10; 3 to 3½ ft., \$10 each, \$95 for 10; 2½ to 3 ft., \$7 each, \$65 for 10; 2 to 2½ ft., \$5.50 each; 18 to 24-in., \$4 each.



Juniperus chinensis columnaris

JUNIPERUS, continued

- J. chinensis sargentii.** *Sargent's Juniper.* Trailing shrub, with erect branchlets, forming dense mats which make a handsome ground-cover and are particularly useful on banks and in rock gardens where it can be allowed to develop naturally. 18 to 24 in., \$5 each; 15 to 18 in., \$4 each.
- †**J. communis depressa.** *Common Spreading Juniper.* Very hardy variety with light bluish foliage. It will live in light, sandy soil and withstand severe exposure. Splendid for rock gardens and locations where broad, low foliage effects are desired. 2½ to 3 ft., \$5.50 each; 2 to 2½ ft., \$4 each; 18 to 24-in. spread, \$3.25 each.
- J. communis hibernica.** *Irish Juniper.* (Mm) A slender, columnar tree with bluish green foliage. Much used for border planting. Should not be used where it would be exposed to severe conditions in winter. 4 to 4½ ft., \$7 each; 3 to 3½ ft., \$5.50 each, \$52 for 10; 2½ to 3 ft., \$4.50 each, \$42 for 10; 2 to 2½ ft., \$3.50 each, \$33 for 10.
- J. communis suecica.** *Swedish Juniper.* (Mm) Very similar to the Irish Juniper, but hardier, and its branches droop slightly, giving it a most graceful and informal appearance. 3 ft., \$6 each, \$55 for 10; 2 ft., \$4 each, \$36 for 10.
- J. excelsa stricta.** *Spiny Greek Juniper.* Very ornamental, narrow, dense tree of erect growth, with bristly gray-green foliage. 18 to 24 in., \$4 each, \$36 for 10; 15 to 18 in., \$3 each, \$27 for 10.
- J. horizontalis.** *Creeping Juniper.* A splendid plant for banks, rocky slopes, and rock gardens, making a broad, dense mat on the ground. It is often found growing wild, both in swamps and on dry sand-dunes, showing its wide range of adaptability. 2½ to 3 ft., \$7 each; 2 to 2½ ft., \$5.50 each, \$52 for 10; 18 to 24 in., \$4.50 each, \$42 for 10.
- J. japonica.** *Japanese Juniper.* Low and shrubby, with bending branches and needle-like leaves. A very decorative and hardy evergreen for many uses. 18 to 24 in., \$5.50 each.



JUNIPERUS, continued

†**J. sabina.** *Savin.* (VDs) A half-erect plant, eventually becoming 6 to 8 feet high. Good for rockwork. Its graceful stature and unchanging deep green foliage adds a solid and enduring tone to a mixed planting. 2 to 2½ ft., \$5 each; 18 to 24 in., \$4.50 each, \$42 for 10; 15 to 18 in., \$3.50 each, \$33 for 10.

J. sabina tamariscifolia. *Tamarix Savin.* (VDs) A low, dense, trailing plant of very neat habit, clothed with bright, gray-green foliage. Excellent on banks or rockwork. 18 to 24 in., \$5.50 each; 15 to 18 in., \$4 each; 12 to 15 in., \$3 each.

†**J. virginiana.** *Redcedar.* (Mm) A native, common in New England, which should be more generally planted. It is of pyramidal shape, with bright, rich green foliage. Very hardy, thriving in partial shade, in light sandy soils, and will withstand severe exposures. It is very useful for formal gardens giving a grace and dignity that cannot be supplied by any other hardy tree. 6 to 7 ft., \$14 each; 5 to 6 ft., \$10 each; 3 to 4 ft., \$5.50 each, \$50 for 10.

NOTE.—We have a number of these trees with bare stems for 1 to 2 feet from ground, but beautiful tops. We will sell them at one-third less than the above.

†**J. virginiana elegantissima.** *Goldtip Redcedar.* (Sm) A very distinct Redcedar, with golden bronze foliage. Attractive both in summer and in winter. Very hardy. 18 to 24 in., \$5.50 each; 15 to 18 in., \$4 each.

†**J. virginiana glauca.** *Silver Redcedar.* (Mm) One of the handsomest forms of the hardy Redcedar. Silvery gray foliage which keeps its color all year. 2½ ft., \$6 each; 2 ft., \$4.50 each.

J. virginiana globosa. *Globe Chinese Juniper.* A dwarf, very hardy Chinese Juniper of a rich green color. 18 to 24 in., \$7.50 each.

PICEA • Spruce

The beautiful spires of the Spruces are most effective in landscape and garden planting. They are similar to the firs but vary in several minor points of botany, and can be used for similar purposes, making splendid avenue effects, magnificent groups, and growing rapidly into efficient windbreaks.

†**Picea canadensis.** *White Spruce.* (Lm) One of the best North American conifers. It is an upright grower, averaging 60 to 75 feet at maturity, with light silvery green foliage, and is handsome used either as a specimen or for windbreaks and hedges. It is a long-lived tree and will endure much clipping and pruning. 4 to 5 ft., \$8 each; 3 to 4 ft., \$6.50 each, \$60 for 10; 2½ to 3 ft., \$4.75 each, \$45 for 10; 2 to 2½ ft., \$3.75 each.



Juniperus sabina tamariscifolia. Tamarix Savin

PICEA, continued

P. engelmanni. *Engelmann Spruce.* (Lm) A splendid tall tree of perfect form. Foliage bluish green. Especially ornamental as a single specimen. 4 ft., \$11 each; 3 ft., \$9 each; 2½ ft., \$7 each.

†**P. excelsa.** *Norway Spruce.* (Lr) A hardy, rapid-growing evergreen that adapts itself to almost any soil. Dense, dark green foliage. Very satisfactory for windbreaks and hedges. Plant small sizes 2½ feet apart for a dense hedge. 6 to 7 ft., \$9 each, \$85 for 10; 5 to 6 ft., \$7 each, \$65 for 10; 4 to 5 ft., \$5.50 each, \$50 for 10; 3 to 4 ft., \$4.50 each, \$40 for 10; 2 to 3 ft., \$3 each, \$27 for 10.

P. excelsa pendula. *Weeping Norway Spruce.* (Ss) Similar to the preceding but with drooping branches. Produces novel and striking effects. 5 to 6 ft., \$9 each; 4 to 5 ft., \$8 each.

P. glauca conica. *Dwarf Alberta Spruce.* An excellent dwarf evergreen with dense, very fine foliage; of perfect, conical form and exceedingly slow growth, making it excellent for permanent low plantings. 18 in., \$8 each; 15 in., \$6.50 each; 12 to 15 in., \$5 each, \$48 for 10.

†**P. pungens.** *Colorado Spruce.* (Lm) A slow-growing, hardy conifer of symmetrical habit which is admirably adapted to seashore planting. A very beautiful evergreen. 2 ft., \$6 each; 18 in., \$4 each, \$37.50 for 10.

†**P. pungens glauca.** *Blue Colorado Spruce.* A tree of similar habit with distinct, gray-blue foliage. Very ornamental. 2 to 2½ ft., \$9 each, \$85 for 10.

†**P. pungens Kosteri.** *Koster Blue Spruce.* (Lm) In a general way much like the preceding but uniformly deep silvery blue. Compact, very symmetrical, and most desirable of all. 4½ ft., \$42 each; 4 ft., \$35 each; 3½ ft., \$30 each.

PINUS • Pine

Perhaps the best-known and most popular of all the evergreens, these noble trees are adaptable to many purposes. They are unusually symmetrical in their earlier years and develop a rugged strength with age that is comparable only to that of the oaks.

†**Pinus montana mughus.** *Mugbo Pine.* (Ds) Very valuable where a low, dense, evergreen growth is desired. Foliage deep green. Very hardy. A most useful shrub for lawn decoration, for rockwork, or covering hillsides. 18 to 24 in., \$5.50 each; 15 to 18 in., \$4 each, \$37.50 for 10; 12 to 15 in., \$3 each, \$27 for 10.

†**P. nigra.** *Austrian Pine.* (Lr) A tree of considerable size, with bold, long, dark green foliage. A vigorous rugged grower, thriving in ordinary soil, in more or less unfavorable situations and by the seashore. 3 to 4 ft., \$7 each, \$66 for 10; 2 to 3 ft., \$5 each, \$48 for 10.

P. resinosa. *Red Pine.* An ornamental, pyramidal tree of symmetrical growth when young and very picturesque as it ages. One of the best for northern planting. A good timber tree. 4 to 5 ft., \$7 each; 3 to 4 ft., \$5 each; 2 to 3 ft., \$4 each, \$36 for 10.

†**P. strobus.** *White Pine.* (Lr) Soft, light silvery green foliage. Highly ornamental when planted singly or in groups. A lofty, noble, native tree. 5 to 6 ft., \$6 each; 4 to 5 ft., \$5 each, \$45 for 10; 3 to 4 ft., \$4 each, \$36 for 10; 2 to 3 ft., \$3.50 each, \$33 for 10.

†**P. sylvestris.** *Scotch Pine.* (Lr) One of the most rapid-growing conifers. Decidedly beautiful and useful for screens. In this country it does not live long, showing age at twenty-five or thirty years. Consequently, it should be used for quick effects only. The foliage is bluish green. 5 to 6 ft., \$8 each, \$75 for 10; 4 to 5 ft., \$6.50 each, \$60 for 10; 3 to 4 ft., \$5 each, \$45 for 10; 2 to 3 ft., \$3.75 each, \$35 for 10.



Taxus cuspidata. Japanese Yew

PSEUDOTSUGA · Douglas Fir

This is a very small family of trees and seems to combine the characters of both the spruces and the hemlocks. We list only one kind, a very highly desirable and popular tree.

Pseudotsuga douglasii. *Douglas Fir.* (Lr) A magnificent tree, growing to great height and of majestic appearance when mature. Beautiful in shape and texture when small. Dark bluish green foliage. It grows rapidly and is healthy. Deserves a place on every estate. 4 to 5 ft., \$9 each; 3 to 4 ft., \$6.50 each, \$63 for 10; 2 to 3 ft., \$5 each, \$48 for 10.

TAXUS · Yew

The Yews are famous trees, never very large, but they attain great nobility and dignity, living almost forever. Their dark green, almost black foliage is supremely beautiful, and their bright red berries are a unique feature of evergreen trees. They are admirably adapted to hedges or as specimens, and if you like that sort of thing, they may be sheared into very formal shapes.

Taxus baccata aurea. *Golden English Yew.* The new foliage is rich golden yellow in June, gradually darkening until in the autumn and winter it is a rich vivid green. We highly recommend it as a beautiful, dignified permanent tree. 12 to 15 in., \$3 each, \$27 for 10.

T. baccata repandens. *Spreading English Yew.* (Ds) Of a graceful, spreading form; unchanging foliage of a beautiful shade of dull, bluish green. Very hardy and desirable. 15 to 18-in. spread, \$5 each; 12 to 15-in. spread, \$4 each, \$36 for 10.

T. baccata washingtoni. *Washington Yew.* (Ds) Fine golden foliage; handsome and rare; very hardy. 2½ ft., \$7 each; 15 to 18 in., \$3.50 each.

T. canadensis. *Canada Yew.* (Dv) A prostrate evergreen with wide-spreading, slender branches, occasionally reaching a height of 6 feet. Dark green foliage and showy, deep crimson berries. This is a hardy native Yew which thrives in partial shade. 2-ft. spread, \$4.50 each; 18-in. spread, \$3.50 each, \$33 for 10.

†**T. cuspidata.** *Japanese Yew.* (Sm) Perhaps this is the most desirable of the very hardy Yews. The foliage is dark green, almost black. This is the open or spreading form. 2½ to 3-ft. spread, \$12 each; 2 to 2½-ft. spread, \$7.50 each, \$70 for 10; 18 to 24-in. spread, \$5 each, \$45 for 10; 15 to 18-in. spread, \$4 each, \$36 for 10.

TAXUS, continued

†**T. cuspidata capitata.** *Upright Japanese Yew.* (Sm) This is the upright-growing or pyramidal form of the Japanese Yew. It is rather open in growth with rich, dark green foliage, almost black, and exquisitely beautiful when covered with yellow-green tips of new growth in the spring. One of the most desirable evergreens for any purpose and it should be planted liberally. 2½ to 3 ft., \$10 each; 2 to 2½ ft., \$8 each; 18 to 24 in., \$6 each, \$57 for 10; 15 to 18 in., \$4 each, \$38 for 10.

†**T. cuspidata nana.** *Dwarf Japanese Yew.* (Ds) A form of the above with short, dark green foliage which is unchanging throughout the year. A very hardy, dwarf hedge plant of unsurpassed beauty and permanence. It withstands clipping well, and will thrive in unfavorable locations where other evergreens perish. For sheer beauty of color, texture and form, as well as health and longevity, it is one of the most useful and valuable ornamental trees in cultivation. 24 to 30 in., \$18 each, \$170 for 10; 21 to 24 in., \$12 each, \$115 for 10; 18 to 21 in., \$8 each, \$75 for 10.

THUYA · Arborvitæ

These are slender, rather formal trees much used in landscape and decorative work. There are many fine dwarf forms, for tub or specimen use, and they may be kept any shape or height desired for many years, as they endure shearing and pruning well.

†**Thuya occidentalis.** *American Arborvitæ.* (Mr)

The common, upright, flat-leaved evergreen, so commonly used as single specimens and for hedges and windbreaks everywhere. May be kept at any height by shearing. It thrives on moist as well as dry land. 5 to 6 ft., \$8 each, \$75 for 10; 4 to 5 ft., \$6 each, \$55 for 10, \$520 per 100; 3 to 4 ft., \$4.50 each, \$40 for 10, \$360 per 100.

T. occidentalis compacta. *Parsons Arborvitæ.* A dwarf, ball-shaped form of the above with light green foliage. 3 ft., \$6 each; 2 ft., \$4 each.



Taxus cuspidata nana. Dwarf Japanese Yew

25 or more plants of one kind will be priced at the 100 rate



THUYA, continued

- †**T. occidentalis douglasii pyramidalis.** *Douglas Pyramidal Arborvitæ.* (Mm) A slender, pyramidal variety of symmetrical outline, with dark fern-like foliage. 4 to 5 ft., \$7 each; 3 to 4 ft., \$5 each, \$48 for 10; 2½ to 3 ft., \$4.50 each, \$40 for 10.
- T. occidentalis ellwangeriana.** *Tom Thumb Arborvitæ.* (Sm) Low, broad, compact variety with dense foliage. Dwarf and very graceful. 3 to 4 ft., \$5.50 each, \$52 for 10; 2½ to 3 ft., \$4.50 each, \$42 for 10; 2 to 2½ ft., \$4 each, \$35 for 10; 18 to 24 in., \$3 each, \$27 for 10.
- T. occidentalis globosa.** *Globe Arborvitæ.* (VDs) A low, slow-growing, dense, globe-shaped variety that is useful for border planting and very satisfactory for low-growing hedges. Very hardy and especially ornamental. 2 to 2½ ft., \$5 each, \$48 for 10; 18 to 24 in., \$4 each, \$36 for 10; 15 to 18 in., \$3 each, \$27 for 10.
- T. occidentalis hoveyi.** *Hovey Arborvitæ.* (Ds) Another low, globular form, with brighter foliage of golden tinge. It is quite hardy but not so dwarf as *T. occidentalis globosa*. 4 ft., \$7.50 each, \$70 for 10; 3 ft., \$5 each, \$45 for 10; 2 ft., \$3.50 each, \$33 for 10; 18 in., \$3 each, \$27 for 10.
- T. occidentalis pumila.** *Green Globe Arborvitæ.* (VDs) A very dense, compact form with dark green foliage. 15 to 18 in., \$3.25 each; 12 to 15 in., \$2.75 each.
- T. occidentalis reidi.** *Reid Arborvitæ.* A large, spreading bushy form with smallish leaves. 15 to 18 in., \$3.50 each, \$33 for 10.

THUYA, continued

- †**T. occidentalis pyramidalis.** *American Pyramidal Arborvitæ.* (Mr) A very densely branched variety of most distinct columnar growth, with rich, dark glossy green foliage that does not change appreciably in color during the winter months. This is one of the very best Arborvitæs, and is very satisfactory for hedges of medium height for foundation plantings, and for use in tubs. We recommend it very highly. 4½ to 5 ft., \$9.50 each; 4 to 4½ ft., \$8.50 each; 3½ to 4 ft., \$7 each, \$68 for 10, \$650 per 100; 3 to 3½ ft., \$6 each, \$57 for 10, \$540 per 100; 2½ to 3 ft., \$5 each, \$45 for 10, \$420 per 100.
- T. occidentalis rosenthalii.** *Rosenthal's Arborvitæ.* An erect, columnar, compact tree, with dark green, lustrous foliage. Useful for formal plantings or specimens. 3 to 3½ ft., \$7 each; 2½ to 3 ft., \$6 each; 2 to 2½ ft., \$5 each.
- T. occidentalis vervæneana.** *Vervæne Arborvitæ.* (Sm) A very choice variety of dense habit, with foliage light golden tinge of green. Makes a beautiful hedge along dusty roads. Can furnish either green or golden forms. Please specify. 5 to 6 ft., \$10 each; 4 to 5 ft., \$8 each, \$76 for 10; 3 to 4 ft., \$6 each, \$55 for 10; 2 to 3 ft., \$4 each, \$36 for 10.
- †**T. occidentalis wareana.** *Ware Arborvitæ.* (Mv) A very hardy variety with dark steel-gray-green foliage which retains its color all winter. It forms a broad, dense bush, and, like all other Arborvitæs, it is valuable for foundation planting. It also makes a desirable broad hedge of medium height which withstands hard shearing. A most satisfactory variety. 3 to 3½ ft., \$7 each; 2½ to 3 ft., \$5.50 each, \$55 for 10; 2 to 2½ ft., \$4.50 each, \$40 for 10; 18 to 24 in., \$3.50 each, \$33 for 10.
- T. orientalis.** *Oriental Arborvitæ.* The least hardy of all the Arborvitæs and should not be planted north of Boston, but will do well in protected places south of there. The foliage is very soft and of an attractive green during the summer months. 2½ to 3 ft., \$3.25 each, \$27.50 for 10; 2 to 2½ ft., \$2.75 each, \$25 for 10; 18 to 24 in., \$2.25 each, \$20 for 10.

TSUGA • Hemlock

No doubt the Hemlock is the most graceful and the best loved of our native evergreens. A sight of one or a group of them, bending under the winter snow, is a picture never to be forgotten. They grow rapidly and in their early years are amenable to clipping and training, forming dense hedges or formal shapes. As they attain age, they form lofty, dignified trees of a magnificence equaled by few things in the world.

Tsuga canadensis. *Common Hemlock.* (Lr) A broadly pyramidal, medium-sized tree of dense growth, with rich green foliage and more or less drooping branches, giving a particularly graceful effect to the whole. It is excellent as a single lawn tree, for foundation planting when it is young, or for hedge purposes. Beautiful soft green the year round. Will not thrive in particularly bleak situations or near the salt water. All our Hemlocks are bushy and very desirable. 4 to 5 ft., \$12 each, \$115 for 10; 3½ to 4 ft., \$9 each, \$85 for 10; 3 to 3½ ft., \$6.50 each, \$60 for 10; 2½ to 3 ft., \$5.50 each, \$50 for 10; 2 to 2½ ft., \$4 each, \$36 for 10.

T. caroliniana. *Carolina Hemlock.* An attractive tree with dark green foliage and pendulous branches. A trifle more open and thin in growth and habit than the Common Hemlock. 4 ft., \$10 each; 3 ft., \$6 each, \$57 for 10; 2 ft., \$4.50 each, \$42 for 10.

T. diversifolia. *Japanese Hemlock.* A bushy tree with several stems, attaining considerable height with age. Foliage is striped with white. Has done well here and is most unusual. 2 to 2½ ft., \$6 each; 18 to 24 in., \$5 each, \$48 for 10; 15 to 18 in., \$4 each, \$36 for 10.



Thuya occidentalis pyramidalis. American Pyramidal Arborvitæ



A group of Evergreen Shrubs, Azaleas and Rhododendrons on the estate of Mr. C. O. Dexter, Sandwich, Mass.

EVERGREEN SHRUBS

A GROUP of both small and large shrubs, with firm, hard leaves which are retained over winter. Most of them bloom beautifully, and some of them, the Rhododendrons and Kalmias, are most showy, while others, Daphne, for example, are deliciously fragrant. They enjoy, as a rule, the light shade of nearby walls or trees, and thrive on a north slope where the winter sun does not damage their leaves, especially if slightly protected from hard, freezing winds. Most of them detest lime and should be grown in leaf-mold, mixed with peat, or some light soil not contaminated with lime or limestone.

AZALEA

Azalea amoena. *Amœna Azalea.* A dwarf, much-branched shrub with double purplish red flowers in May. It is especially adapted for edging walks and garden borders. Should be planted in sheltered positions and will abundantly repay care and protection. Not likely to succeed in severe climates north of Boston. 18 to 24 in., \$4 each, \$36 for 10.

BUXUS

Buxus sempervirens suffruticosa. *True Dwarf Box.* A well-known dwarf edging plant, often used for bordering flower-beds. The plants we offer are very stocky. 10 to 12 in., B&B, \$1.60 each, \$15 for 10; 8 to 10 in., B&B, dense tops, \$1.35 each, \$12.50 for 10; 6 to 8 in., 50 cts. each, \$4.50 for 10, \$40 per 100.

CALLUNA • Heather

These plants should be more generally known. They are handsome, small shrubs of the easiest possible culture, well adapted to borders of evergreen shrubberies and for dry slopes and sandy banks; also growing well in ordinary soils. The varieties named herewith are hardy and bloom continuously from July to September. They are par-

CALLUNA, continued

ticularly desirable for rockeries, and although they prefer a sunny location, they also grow in swamps and in partial shade. The cut branches last in good condition for many weeks.

We have ten other varieties of Heather which are not described here, and will be glad to send a list of them to anyone who is interested in this wonderful class of plants.

Calluna vulgaris. *Heather.* A low, bushy shrub, with tiny clustered leaves and slender, erect spikes of small pink flowers, which are borne profusely in late summer. Extremely pretty and quite unusual. 8 to 10 in., 90 cts. each, \$8 for 10; 6 to 8 in., 75 cts. each, \$6 for 10.

C. vulgaris alba. *White Heather.* Exactly like the preceding, except its flowers are white, and makes a charming combination with it either planted or cut. Prices same as **Calluna vulgaris**.

C. vulgaris alba elata. *Tall White Heather.* Like the White Heather but taller and not so compact. Prices same as **Calluna vulgaris**.

C. vulgaris alporti. *Alport Heather.* Of more vigorous growth than the common Heather and the flowers are rosy, carmine. One of the best-liked varieties. 6 to 8 in., 75 cts. each, \$6 for 10.



Euonymus radicans vegetus. Bigleaf Wintercreeper

CALLUNA, continued

- C. vulgaris aurea.** *Golden Heather.* Similar to the common Heather in habit, but its golden tinged foliage makes a lovely contrast with other varieties and in borders. 6 in., 75 cts. each, \$6 for 10.
- C. vulgaris nana.** *Moss Heather.* A new sort which makes a small tuft or compact clump. The mossy foliage is dark green and most attractive. Especially good for rockeries. Clumps, 6 to 8 in., 90 cts. each, \$8 for 10; 4 to 6 in., 75 cts. each, \$7 for 10.
- C. vulgaris rubra elata.** *Upright Heather.* This is a tall, spreading sort, with deep rosy crimson flowers. A good companion for the Tall White Heather and as a background for the lower-growing varieties. 8 to 10 in., 90 cts. each, \$8 for 10; 6 to 8 in., 75 cts. each, \$6 for 10.

CHAMÆDAPHNE • Leatherleaf

Chamædaphne calyculata. *Leatherleaf.* Charming, low shrub for rockery or edge of shrub border. Heavy, evergreen leaves and slender, leafy racemes of drooping, wax-white flowers somewhat like those of *Pieris*. Very hardy. 12-in. plants, \$1 each, \$9 for 10.

DAPHNE

Daphne cneorum. *Rose Daphne.* A dwarf evergreen shrub, which produces a profusion of delightfully fragrant rosy lilac flowers in May and June, and on and off the rest of the summer. It is extremely pretty in evergreen borders and rock gardens, and is one of the choicest little plants grown. 8 to 10 in., \$1.50 each, \$14 for 10; 6 to 8-in. spread, \$1.25 each, \$11 for 10.

EUONYMUS

These are useful, glossy-leaved evergreen vines and low shrubs useful for covering tree trunks, walls, and, with proper training, they may be used as evergreen edgings to flower-beds, walks, and borders. It is well to shade them somewhat in late winter to prevent the sun from burning the leaves.

EUONYMUS, continued

- Euonymus radicans.** *Wintercreeper.* A low, procumbent shrub, having small leaves, dull green above, with whitish veins. It will climb over a wall or up the side of a house and it makes a first-rate ground-cover. 3-yr. plants, 75 cts. each, \$6 for 10; 2-yr. plants, 60 cts. each, \$5 for 10, \$40 per 100.
- E. radicans argenteo-marginatus.** *Silveredge Wintercreeper.* Similar to the preceding, with the leaves silvery at the edges, often becoming pinkish in the fall. Very attractive. 3-yr., 75 cts. each, \$6 for 10.
- E. radicans carrieri.** *Glossy Wintercreeper.* A stronger grower than *E. radicans*, with larger, ovate, green leaves. It is half bush and half vine in habit of growth, and, if given support, makes a very fine covering for a building or a wall, and grows rapidly. Planted on either side of a walk, it may be kept low, to form an attractive little hardy evergreen hedge. 5-yr., \$2 each, \$18 for 10; 4-yr., \$1.50 each, \$12.50 for 10; 3-yr., \$1 each, \$8 for 10.
- E. radicans colorata.** *Bronze Wintercreeper.* A new variety introduced by the Arnold Arboretum, with bright red foliage during the winter months. A rapid grower. We suggest *Euonymus radicans colorata* as an interesting plant for its winter foliage. 4-yr. plants, \$1 each, \$9 for 10; 2-yr. 75 cts. each, \$6 for 10.
- E. radicans minimus.** *Baby Wintercreeper.* An excellent fine-leaved dark evergreen for carpeting the ground or as a rock plant. The smallest *Euonymus*. Very desirable. From 4-in. pots, 75 cts. each, \$6.50 for 10.
- E. radicans vegetus.** *Bigleaf Wintercreeper.* A trailing evergreen shrub with round leaves. Produces an abundance of orange-scarlet berries in the fall. Splendid for use as a ground-cover at the borders of evergreens. 4-yr., \$1.50 each, \$13.50 for 10; 3-yr., \$1 each, \$8 for 10; 2-yr., 75 cts. each, \$6 for 10.

HEDERA

Hedera helix. *English Ivy.* The rich dark green climber so well known in England. The leaves are characteristic. A strong climber which should grow on a sheltered wall. Easily the most beautiful wall covering, and worth taking care of. 4-in. pots, 75 cts. each, \$6.50 for 10.

NOTE.—We can furnish both the large-leaved and the small-leaved varieties. The latter is the hardier of the two.

ILEX

Ilex glabra. *Inkberry.* A bushy, upright shrub with dark oval foliage, small flowers, and a profusion of black fruit in the fall. One of the best and hardiest of our native evergreens. 2-ft. clumps, \$5 each; 18-in. clumps, \$3 each; 15-in. clumps, \$2.50 each; 12-in. clumps, \$1.50 each, \$14 for 10.

I. opaca. *American Holly.* Small tree with the familiar, spiny, angular leaves and red berries seen so much at Christmas. It makes a handsome, dense growth and may be clipped to any form. It is always very dignified and beautiful, especially when dotted with its red fruits in winter. 3 to 4 ft., \$10 each; 2 to 3 ft., \$7.50 each.



Spray of American Holly

We invite you to visit our nurseries and see the character of the material we offer



KALMIA • Laurel

Either massed in groups or used as single specimens, the decorative effect of these splendid native shrubs is unequalled by any exotic plants of equal hardiness. They thrive in any soil which does not contain lime, although they are less sensitive in this respect than the rhododendrons.

Kalmia angustifolia. *Lambkill.* A handsome evergreen plant of moderate size, covered in the spring with purple and crimson flowers. Desirable for border planting or for rockeries. 18 in., \$2.50 each; 12 in., \$1.50 each.

K. latifolia. *Mountain Laurel.* A husky evergreen shrub, covered with large, glossy green leaves in clusters. It produces great quantities of delightful pink and white flowers the latter part of June. Perfectly hardy and will thrive equally well on dry knolls, low land, and in partial shade. One of the best native shrubs for naturalizing in suitable places. It is always desirable to plant it in groups or spreads of 6, 12, or 25 plants in order to get the effect of its magnificent sweep of color and mass. The Mountain Laurels we offer are all nursery grown. We will be pleased to quote prices on collected stock if interested in obtaining large quantities of this grade for landscape or other extensive use. 3 to 3½ ft., \$7 each, \$65 for 10; 2½ to 3 ft., \$5 each, \$45 for 10; 2 to 2½ ft., \$4 each, \$35 for 10; 18 to 24 in., \$3.50 each, \$30 for 10.

LEIOPHYLLUM

Leiophyllum buxifolium prostratum. *Allegheny Sandmyrtle.* A pretty little evergreen, suitable for edging. It has tiny leaves and little sprays of pink flowers in spring. A very charming plant which should be grown as a low edging or dividing line. 6 to 8 in., 90 cts. each, \$8 for 10.

LEUCOTHOE

Leucothoe catesbaei. *Drooping Leucothoe.* A choice native evergreen shrub of great beauty. Its foliage is quite as charming as its blossoms, which are creamy white. The leaves are heavy, shining green in summer, and assume a beautiful purplish red tint late in the fall which is retained throughout the winter; branches arching. Superb for table decoration in winter. Very desirable for edging evergreens and rhododendrons. 12 to 15 in., \$2 each, \$18 for 10.

MAHONIA

Mahonia aquifolium. *Oregon Hollygrape.* A handsome evergreen shrub that is hardy in the North if planted in a sheltered position. Glossy green, holly-like leaves and yellow flowers in May. 18 to 24 in., 90 cts. each, \$7.50 for 10; 15 to 18 in., 75 cts. each, \$6.50 for 10.

NOTE.—Mahonia cannot be shipped out of the New England States.

PACHISTIMA

Pachistima canbyi. *Canby Pachistima.* A very low evergreen shrub, suitable for edging, or rockery, making a dense, dark green carpet of great beauty. Flowers small, dark red. Field-grown plants, 75 cts. each, \$7 for 10.

PACHYSANDRA

Pachysandra terminalis. *Japanese Pachysandra.* Low-growing evergreen plant with short spikes of white flowers in May and June. A splendid evergreen ground-cover, with attractive dark green leaves which make a rich mat of foliage in shady places where grass will not grow. A good border for beds of evergreens. Field-grown plants, \$1.05 for 3, \$2.50 for 10, \$18 per 100. From 2½-in. pots, 75 cts. for 3, \$2.20 for 10, \$15 per 100.

PIERIS • Andromeda

Pieris floribunda. *Mountain Andromeda.* White flowers in large panicles, like the lily-of-the-valley. The buds are produced in the fall, and open in early spring, over dense dark masses of evergreen foliage. Plant round, compact, and dwarf, very hardy. Excellent in evergreen foundation planting. There is no finer evergreen shrub than Mountain Andromeda. We urge you to plant one or more because we know you will not be disappointed. 2 to 2½-ft. spread, \$9 each, \$85 for 10; 18 to 24-in. spread, \$6.50 each, \$60 for 10; 15 to 18-in. spread, \$4.50 each, \$40 for 10; 12 to 15 in., \$3.50 each, \$33 for 10.

P. japonica. *Japanese Andromeda.* One of the most beautiful, dwarf, broad-leaved evergreens, with bright green leaves and drooping racemes of waxy white foliage which make a beautiful contrast with the green foliage. It should be planted in dry, sheltered positions. 2 to 2½ ft., \$7 each, \$65 for 10; 18 to 24 in., \$5 each, \$45 for 10.

VINCA • Myrtle

Vinca minor. *Common Periwinkle.* A handsome evergreen ground-cover with showy bright blue flowers borne freely in early spring and at intervals throughout the summer and autumn. It is perfectly hardy and does splendidly under trees or in shady nooks where few plants will thrive. Pot-grown or field-grown plants, 75 cts. for 3, \$2.20 for 10, \$15 per 100.

Who planted the trees that give you shade in the summer months? Did you? Are you helping by planting trees for others who will come along later and who in turn will be grateful to you?



Daphne cneorum. Rose Daphne. See page 8

In comparing our prices with others, always compare sizes

Rhododendron
maximum

RHODODENDRONS

BEYOND doubt, the handsomest evergreen shrubs. The beautiful, long, glossy leaves remain bright through the dark winter months, and their lovely clusters of flowers in early summer are miracles of delight. They should have thin shade, although they do well in full sunlight, and a north side of a wall or building is especially adapted to them. They do demand plenty of water and soil absolutely free of lime. It will pay well to go to some trouble to make the soil for them decidedly sour.

Rhododendrons are shipped with their roots in balls of earth wrapped in burlap and should be planted in the manner recommended for evergreens. The mulch is particularly important.

HYBRID VARIETIES

Hybrid Rhododendrons are particularly celebrated for their very large clusters of handsome flowers and clear color. They are excessively rare in this country and therefore have great intrinsic value above their beauty, well-grown specimens having the value of old boxwood or other heirlooms. A solid planting of them is gloriously beautiful, and a few interspersed among a large group of the native sorts add distinction and variety to the planting.

The following varieties are available in stocky plants, most of which bear flower-buds for this year's blooming.

Catawbiense, Boursault. Very large, mauve flowers, entirely without markings. 18 to 21 in., \$7 each.

Catawbiense Grandiflora. Large, bright violet or rosy purple flowers. 18 to 21 in., \$7 each.

Catawbiense Grandiflora Alba. Pure white flowers, with delicately veined yellow throats, fine habit, 2 to 2½ ft., \$9 each; 18 to 21 in., \$7 each.

Charles Bagley. Large cherry-red or cerise flowers, slightly spotted with copper. 18 to 24 in., \$8 each; 15 to 18 in., \$7 each.

Charles Dickens. Rich, glowing crimson flowers. One of the most favorably known varieties. 15 to 18 in., \$7 each.

Delicatissima. Pure white flower, delicately tinted with flesh-pink. Blooms over a very long period. 2 to 2½ ft., \$9 each; 18 to 24 in., \$7 each.

Everestianum. Very delicate rosy lilac, frilled flowers spotted lightly with greenish black; large trusses. 2 to 2½ ft., \$9 each; 18 to 24 in., \$7 each.

Gomer Waterer. Enormous trusses of white flowers, slightly tinted with blush. 18 to 24 in., \$7 each.

Ignatius Sargent. One of the clearest colored brilliant rose-scarlets; trusses large and fine. 18 to 24 in., \$8 each; 15 to 18 in., \$7 each.

Kettledrum. This is a well-known, widely planted variety with large, crimson flowers. 15 to 18 in., \$7 each.

Michael Waterer. Brilliant crimson-lake, tinted with black; trusses heavy and plants sturdy. 18 to 24 in., \$8 each; 15 to 18 in., \$7 each.

Mrs. C. S. Sargent. A very handsome variety of fine rosy red or dark pink. 18 to 21 in., \$7 each.

Parson's Grandiflora. Wine-purple flowers in splendid trusses; profuse bloomer. 18 to 24 in., \$8 each; 15 to 18 in., \$7 each.

Roseum Elegans. Clear, sparkling rose-pink, with little of the usual mauve tint. 2 to 2½ ft., \$9 each; 18 to 21 in., \$7 each.

We can furnish bales of imported granulated peat moss. Ideal for mulching Rhododendrons, Azaleas as well as all types of hardy plants, at \$4 each, f. o. b. North Abington, Mass.



Rhododendron carolinianum.
Carolina Rhododendron

Native Rhododendrons

THE American continent is peculiarly rich in these beautiful shrubs, all of which are perfectly at home in our gardens, if their wishes in regard to sourness of soil and partial shade are respected. No hybrids have been raised from the showy tender species which surpass the original beauty of our native varieties, or equal them in vigor and hardiness. They are the most useful of all for general planting, particularly *Rhododendron maximum* which is the largest and showiest of the family. Drive through the mountains of northern Pennsylvania to be enthralled by the glorious beauty of this native shrub.

Rhododendron carolinianum. *Carolina Rhododendron.* One of the very finest broad-leaved evergreens, hardy in Massachusetts. It is four to six feet tall and as much in diameter; has handsome dark green leaves and blooms profusely. The clustered flowers are pale to deep pink, open before the young branches begin to grow and therefore are not hidden by them. It comes from the mountain tops of the southern Appalachian regions. 2½ to 3 ft., \$6 each, \$55 for 10; 2 to 2½ ft., \$4.50 each, \$42 for 10; 18 to 24 in., \$3.75 each, \$35 for 10; 15 to 18 in., bushy plants, \$3.25 each, \$30 for 10.

R. minus. Another native of the southern mountains. Under favorable conditions it makes a straggling shrub 10 feet high with handsome foliage and charming rosy pink flowers spotted yellow-green within. This is one of the very earliest of all to come into bloom and is very beautiful and satisfactory for extensive landscape planting. 2 to 2½ ft., \$5 each, \$45 for 10.

R. catawbiense. (Native.) *Catawba Rhododendron.* This is the parent of most of our best hybrids, and is worthy in every way. The flowers, borne profusely in very large, round trusses, come in various shades of lilac-purple the early part of June. It will grow in any soil where there is no lime, and needs no protection. 3½ ft., \$8 each; 3 ft., \$6.50 each, \$63 for 10; 2½ ft., \$5 each, \$48 for 10; 2 ft., \$4 each, \$36 for 10; 18 in., \$3.50 each, \$33 for 10.

R. maximum. (Native.) This is the handsome Great Laurel of the mountains. Flowers rosy white to white, produced in late June and July. Foliage very thick, smooth, and twice as large as that of any other sort. Handsome for big bold masses. Car lots of collected plants can be furnished at much lower rates than the nursery-grown plants. These are very heavy plants. 4 ft., \$9 each, \$85 for 10; 3½ ft., \$7.50 each, \$70 for 10; 3 ft., \$6.50 each, \$60 for 10; 2½ ft., \$5 each, \$45 for 10; 2 ft., \$4 each, \$36 for 10. Prices for collected stock will be given on request.

WE MAKE NO CHARGE FOR PACKING



Flowers and foliage of the Tulip tree

DECIDUOUS TREES

THERE is a vast army of beautiful trees which shed their leaves in autumn. Among them are trees suitable for planting along streets and boundary lines, trees for woodlands and copses, for groves and for specimens, or merely to shade a corner of the back yard. Almost all of them are gorgeous when their leaves turn color in autumn and display an intricate and interesting pattern of bare branches against the winter sky.

Except that their roots are not balled and burlapped, the method of handling and planting them is the same as for evergreens. They should be well watered the first season and firmly staked so that they will not sway in the wind.

ABBREVIATIONS

Denoting Size: L, trees that attain a height of 50 feet or more; M, trees that attain a height of 25 to 50 feet; S, trees that attain a height of 10 to 25 feet; D, dwarf; VD, very dwarf.

Denoting Rapidity of Growth: r, rapid; m, medium; s, slow; v, vigorous; vs, very slow.

Denoting Varieties Suitable for Seashore Planting: (†).

ACER • Maple

The Maples are too familiar to need much introduction. They are all splendid, round-headed trees, some of which are especially adapted to street planting, and all of them are desirable as specimens.

Acer dasycarpum. *Silver Maple.* (Lr) Foliage light green, silvery beneath. A most rapid-growing Maple thriving best in rich, moist soil but succeeding almost anywhere except on dry ground. Largely used for street planting. 12 to 14 ft., \$4 each, \$36 for 10; 10 to 12 ft., \$3 each, \$27 for 10; 8 to 10 ft., \$2 each.

A. ginnala. *Amur Maple.* (Dm) Graceful shrub or small tree, with handsome foliage that turns bright red in autumn. Useful as substitute for the Japanese Maple where that is not hardy. 6 to 8 ft., \$2.50 each, \$22.50 for 10; 5 to 6 ft., \$2 each, \$17.50 for 10.

A. negundo. *Boxelder.* (Mr) A rapid-growing tree that is useful where a quick screen is desired. It has spreading branches and light green foliage that changes to yellow in the autumn. Although it thrives best in rich, damp ground, it will grow in dry or poor soils. 12 to 14 ft., \$3.25 each; 10 to 12 ft., \$2.50 each; 8 to 10 ft., \$2 each, \$17.50 for 10.

A. palmatum. *Japanese Maple.* (Dm) A handsome shrub of dense, graceful habit, with especially attractive foliage in spring and fall, when it assumes most striking colors. Suitable for individual planting. 5 to 6 ft., \$7.50 each; 4 to 5 ft., \$5 each; 18 to 24 in., \$1.25 each.

A. palmatum atropurpureum. *Blood-leaved Japanese Maple.* (Ds) A very striking tree in spring when its leaves are blood-red; later they change to dark purple, retaining this attractive color throughout the season. This small tree is often used on lawns but is most effective when contrasted with evergreens. In New England it should be planted in only sheltered places. 3 ft., \$9 each; 2½ ft., \$7.50 each; 2 ft., \$6 each; 18 in., \$4 each.

ACER, continued

†**A. platanoides.** *Norway Maple.* (Lr) This large, handsome tree has a round, spreading head and broad, dark green foliage. It is decidedly beautiful when covered with its golden blossoms, before the foliage appears. The hardiest of all Maples, and will withstand extreme exposure; especially adapted for street, shade, and seashore planting. 10 to 12 ft., \$5 each, \$48 for 10; 8 to 10 ft., \$4 each, \$37.50 for 10; 6 to 8 ft., \$2.75 each, \$25 for 10.

A. platanoides schwedleri. *Schwedler Maple.* (Mr) The leaves are bright red when they first appear, changing later in the season to dark purplish green. Like the Norway Maple in habit of growth. 6 to 8 ft., \$5 each, \$45 for 10.

A. rubrum. *Red Maple.* (Lv) A very popular variety because of its excellent habit, scarlet flowers in early spring, and dense foliage which assumes a gorgeous color in autumn. Thrives in wet situations where no other Maple will live. 10 to 12 ft., \$5 each, \$45 for 10; 8 to 10 ft., \$3.50 each, \$33 for 10; 6 to 8 ft., \$2.75 each, \$25 for 10.

A. saccharum. *Sugar Maple.* (Lr) An excellent street and shade tree, somewhat higher headed than the Norway Maple, with dense foliage that turns bright yellow and scarlet in autumn. Does well in almost any soil. 10 to 12 ft., \$5 each; 8 to 10 ft., \$3.50 each, \$33 for 10; 6 to 8 ft., \$2.50 each, \$24 for 10.

A. saccharinum wieri. *Wier Maple.* (Lr) Graceful and remarkable for its drooping branches. The abundant foliage is silvery underneath, deeply and delicately cut. Especially attractive as a tall lawn specimen. 10 to 12 ft., \$3.50 each.

A. tataricum. *Tatarian Maple.* (Dm) A hardy and desirable shrub-like tree with brilliant autumn coloring. 8 to 10 ft., \$2.25 each, \$21 for 10; 6 to 8 ft., \$1.75 each, \$15 for 10.

The flowers arrived in excellent condition some days since. I have never made a purchase of anything from which I derived so much satisfaction as from my order of plants. I have never seen such perfect specimens and generous quantity come from a nursery.

I want to thank you and wish you all success. I have seen this advertisement, "More for the same money and the same for less." Yours is the only firm I know of which that is true.—FRANK V. ANDERS, Thurmont, Md.

**ÆSCULUS • Horsechestnut**

Æsculus hippocastanum. *European Horsechestnut.* (Lm) A large tree of regular outline with attractive foliage. In May it bears a profusion of very showy white flowers tinged with red, in 8 to 10-inch panicles. These are followed by fruits an inch or more in diameter. 5 to 6 ft., \$2.50 each; 4 to 5 ft., \$2 each.

AILANTHUS

Ailanthus glandulosa. *Ailanthus.* (Lr) Valuable for street planting where other trees do not thrive, as it withstands smoke and dust well. It is an extremely rapid-growing, open-headed tree with palm-like foliage and greenish flowers in June. 8 to 10 ft., \$3 each, \$27 for 10; 6 to 8 ft., \$2.50 each, \$22.50 for 10; 5 to 6 ft., \$2 each, \$18 for 10.

ARALIA • Angelica Tree

Aralia spinosa. *Devils-walkingstick.* (Dr) Its stout stems, covered with thorns, immense leaves, and enormous clusters of small white flowers, followed by purple berries, give this species a very distinct sub-tropical appearance. 8 to 10 ft., \$2 each, \$17.50 for 10; 6 to 8 ft., \$1.50 each, \$14 for 10; 5 to 6 ft., \$1.20 each, \$10 for 10.

BETULA • Birch

This is a small family of trees with a grace and charm all their own. Mostly used as lawn specimens or in effective positions upon the grounds; they are also splendid mingled with other varieties in an open woodland, and the light-barked kinds are beautiful grouped at the edge of a thicket or forest.

†**B. alba.** *European White Birch.* (Mr) A tall, graceful tree, with spray-like branches and silvery bark that is very effective in winter. It assumes an elegant, drooping habit, and is a desirable lawn tree. Does well in poor soils. 8 to 10 ft., \$3 each, \$27 for 10; 6 to 8 ft., \$2.50 each, \$22.50 for 10; 5 to 6 ft., \$2 each, \$18 for 10.

B. lutea. *Yellow Birch.* (Lr) Bark is silvery gray or light orange; leaves hairy along the veins beneath; one of the most valuable forest trees in the Northern States. A blaze of gold in the autumn. 5 to 6 ft., \$2 each, \$18 for 10.

†**B. papyrifera.** *Canoe Birch.* (Lr) A worthy ornamental tree. When young, the stem is dark brown (sometimes almost black), which causes many people to question the variety, but as it develops, the trunk becomes white, with a loose, graceful head and large, handsome leaves. It thrives well in northern latitudes and is very effective when planted in a group. 6 to 8 ft., \$2.50 each, \$22.50 for 10; 5 to 6 ft., \$2 each, \$18 for 10.

B. pendula gracilis. *Cutleaf Weeping Birch.* (Mm) An unusually graceful, drooping tree, particularly adapted to lawns. The foliage is deeply cut and the bark silvery white at maturity. A vigorous grower in rich, moist ground. 8 to 10 ft., \$5 each, \$45 for 10; 6 to 8 ft., \$4 each, \$36 for 10.

†**B. populifolia.** *Gray Birch.* (Mr) A slender tree with smooth, grayish white bark and glossy leaves. It is a rapid grower and thrives in dry and poor soil, but is not a particularly desirable tree. Clumps, 6 to 8 ft., \$4 each, 8 to 10 ft., \$1.75 each, \$15 for 10; 6 to 8 ft., \$1.50 each, \$14 for 10.

CARPINUS • Hornbeam

Carpinus caroliniana. *American Hornbeam.* (Ms) A bushy tree with dense, slender, often pendulous branches and dark, bluish green foliage, changing to scarlet or orange-yellow in the fall. May be used as a screen or trimmed into a good hedge. 5 to 6 ft., \$2.50 each, \$22 for 10.

CATALPA • Indian Bean

Useful trees with very large leaves and extremely handsome flowers. They grow rapidly and quickly making a grateful shade. Well adapted to avenue planting, and the first variety named is highly popular for certain formal effects.

Catalpa bignonioides nana (bungei). *Umbrella Catalpa.* (Dm) A species from China that has large, glossy foliage and is a shy bloomer. If the top is grafted on tall stems, it makes an effective tree for formal gardens, not too far north. 2-yr. heads, \$2.50 each, \$22.50 for 10.

C. speciosa. *Western Catalpa.* (Lr) This tall, hardy variety is well adapted to forest and ornamental planting. The most desirable Catalpa. 12 to 14 ft., \$2.50 each, \$22.50 for 10; 10 to 12 ft., \$2 each, \$18 for 10; 8 to 10 ft., \$1.50 each, \$14 for 10.

CELTIS • Nettle Tree

†**Celtis occidentalis.** *Hackberry.* (Mm) Rare native tree with numerous slender branches and light green, shiny leaves. The bark is thick and rough. Resembles the elm. 8 to 10 ft., \$3 each; 6 to 8 ft., \$2 each, \$18 for 10.

CERCIDIPHYLLUM • Katsura Tree

Cercidiphyllum japonicum. *Katsura Tree.* (Mr) This hardy ornamental tree is of pyramidal form, with medium-sized, heart-shaped leaves dark green above and silvery beneath, while the leaf-stalks and vines are purplish. It branches to the ground, and prefers damp soil, where it grows rapidly. Should be planted either as a specimen or in borders. 12 to 14 ft., \$8 each; 10 to 12 ft., \$6 each; 6 to 8 ft., \$4 each, \$36 for 10.

CERCIS • American Redbud

Cercis canadensis. *American Redbud.* (Ss) One of the finest ornamental trees. It is of medium size, round-headed, with large, heart-shaped leathery dark green foliage. A profusion of deep pink flowers covers the tree in April before the leaves appear. 5 to 6 ft., \$2.50 each, \$22.50 for 10; 4 to 5 ft., \$1.50 each, \$14 for 10; 3 to 4 ft., \$1 each, \$9 for 10.



Chionanthus virginica. White Fringe Tree. See page 14



Cornus florida. White-flowering Dogwood

CHIONANTHUS • Fringe Tree

Chionanthus virginica. *White Fringe Tree.* (Sv) A superb lawn tree, with large, dark green foliage and white fringed flowers in early summer. 5 to 6 ft., \$4 each, \$36 for 10; 4 to 5 ft., \$3 each, \$27 for 10; 3 to 4 ft., \$2 each, \$18 for 10.

CLADRASTIS • Yellow-Wood

Cladrastis lutea. *Yellow-Wood.* (Mm) A most beautiful flowering tree, with wide, graceful head, short trunk, smooth bark, and white, sweet-scented flowers. It is well adapted to plant alone on the lawn. The wood is yellow and yields a clear dye of that color. 8 to 10 ft., \$3.50 each; 6 to 8 ft., \$2.50 each, \$24 for 10.

CORNUS • Dogwood

Small trees desirable from every point of view. In the spring they make a picture of unforgettable beauty with their drifts of snowy flowers against the sky or a background of evergreens. Their rich green foliage is handsome during the summer, and their glittering red berries are one of autumn's chiefest charms.

Cornus florida. *White-flowering Dogwood.* (Sv) An American species of regular habit, with spreading, open top. It produces large, showy white flowers in May before the leaves appear. In autumn the grayish green foliage turns dark red, and with the brilliant red berries make it one of the most beautiful trees at that season. 5 to 6 ft., \$5 each; 4 to 5 ft., \$3 each; 3 to 4 ft., \$2 each, \$18 for 10.

C. florida rubra. *Red-flowering Dogwood.* (Sv) One of the finest flowering trees. It blooms when quite young, producing deep, rose-colored flowers in the early spring. This tree is worthy of extensive culture and should have a place on every sizable lawn. 4 to 5 ft., B&B, \$7.50 each; 3 to 4 ft., B&B, \$6 each.

CRATÆGUS • Hawthorn

The Thorns are small, shrubby trees, charming alike when bare, in flower, in foliage, or in fruit. They are fine for masses in the corners or at boundaries, and look well in hollows or along streams, fitting into almost any scheme of naturalistic or formal planting.

CRATÆGUS, continued

†**Cratægus coccinea.** *Thicket Hawthorn.* (Ss) A fine native variety with large foliage and white blossoms in May, succeeded by scarlet fruit. 5 to 6 ft., \$3 each, \$27 for 10; 4 to 5 ft., \$2 each, \$18 for 10; 3 to 4 ft., \$1.50 each, \$14 for 10.

†**C. cordata.** *Washington Hawthorn.* (Sm) Very desirable, with beautiful autumn color and large clusters of bright red fruit, remaining on the branches a long time. Much used both singly and in groups. 5 to 6 ft., \$3.50 each; 4 to 5 ft., \$2.50 each, \$22.50 for 10; 3 to 4 ft., \$2 each, \$18 for 10; 2 to 3 ft., \$1.50 each, \$14 for 10.

†**C. crusgalli.** *Cockspur Thorn.* (Dv) The long, sharp thorns and glossy green foliage, which turns brilliant orange and scarlet in the fall, make this a valuable variety for hedges. 4 to 5 ft., \$2.50 each, \$22.50 for 10; 3 to 4 ft., \$1.75 each, \$16 for 10.

C. oxyacantha. *Double Pink.* A form of the famous English Hawthorn with double pink flowers. 5 to 6 ft., \$2.25 each.

C. oxyacantha. *Double White.* A white-flowered variation of the above. 5 to 6 ft., \$2.25 each.

C. oxyacantha splendens. *Paul's Double Scarlet Hawthorn.* (Sm) A small tree of fine habit, with rich, luxuriant foliage and very double deep crimson flowers with a scarlet glow. 6 to 8 ft., \$5 each; 5 to 6 ft., \$3.50 each; 4 to 5 ft., \$3 each.

FAGUS • Beech

Beeches are among the noblest trees of creation, long-lived, symmetrical, and beautiful at all seasons of the year. They make dense shade and thick dark woods. The colored-leaf forms are among the finest ornamentals for specimen or avenue work. Beeches resent transplanting to some extent, therefore we ship them with the roots carefully balled and burlapped.

Fagus americana. *American Beech.* (Lv) Large, spreading tree of symmetrical habit. Its rich yellow autumn foliage and smooth, gray bark add to its attractiveness. 5 to 6 ft., \$5 each; 4 to 5 ft., \$4 each.

F. sylvatica incisa. *Culleaf Beech.* (Mm) A very dense, low, shrubby Beech, with finely divided leaves. This very hardy tree deserves more extensive cultivation. 10 to 12 ft., B&B, \$12 each; 8 to 10 ft., B&B, \$10 each; 6 to 8 ft., B&B, \$8 each.

F. sylvatica purpurea. *Purple Beech.* (Lv) The foliage of this low-branching tree is very attractive. In spring it is bright reddish purple, turning beautiful purple-tinged green in summer. Splendid for a lawn tree. 16 to 20 ft., B&B, \$25 each; 12 to 14 ft., B&B, \$20 each.

NOTE.—B&B means roots taken up with earth and burlapped, for which no extra charge is made to the purchaser.

FRAXINUS • Ash

The Ashes grow quickly and thrive in almost any moist soil. They are valuable for parks and landscapes, and make good street trees in many localities.

Fraxinus americana. *White Ash.* (Lv) This well-known native variety has a straight, clean trunk and soft, mellow green foliage, changing in the autumn to rich brown. A desirable shade or street tree because it furnishes shade quickly and is comparatively long-lived. 12 to 14 ft., \$3 each, \$27 for 10; 10 to 12 ft., \$2.50 each, \$22.50 for 10; 8 to 10 ft., \$2 each, \$18 for 10.

GYMNOCLADUS

Gymnocladus dioica. *Kentucky Coffee Tree.* (Mm) A fine native tree of irregular shape, with bluish green, feathery foliage. Useful either on the lawn or in a border. 6 to 8 ft., \$2 each; 5 to 6 ft., \$1.75 each.



GINKGO • Maidenhair Tree

Ginkgo biloba. *Maidenhair Tree.* (Mr) This beautiful tree is of upright habit, with a clean, straight trunk and spreading branches peculiar to itself. The leaves are fan-shaped, resembling the maidenhair fern, and in the fall become rich golden yellow. An excellent lawn and avenue tree and very satisfactory in cities. Insects avoid it. A very ancient Chinese tree come down from prehistoric time. It has never been found growing wild but always in gardens or under the protection of man. It has been truly and aptly described as a living fossil. 12 to 14 ft., \$6 each; 10 to 12 ft., \$5 each.

GLEDITSIA • Honey Locust

†**Gleditsia triacanthos.** *Common Honey Locust.* (Lv) A rapid-growing tree that is armed in the earlier stages with powerful spines and has foliage of delicate appearance. It makes a stately specimen or is useful when a tall hedge is desired. The wood is known for its long-enduring qualities. 6 to 8 ft., \$1.50 each, \$12 for 10; 5 to 6 ft., \$1.25 each, \$11 for 10; 4 to 5 ft., \$1 each, \$9 for 10.

JUGLANS • Walnut

The once familiar Butternut and Walnut are becoming scarcer in the wild every year. They make picturesque lawn trees and handsome groves. Their nuts are highly valued and their wood is almost priceless. One of the most worthy groups of native trees, and they should be planted liberally.

Juglans cinerea. *Butternut.* (Lm) A vigorous, native, open-headed tree, with grayish, rough bark, and foliage that resembles that of the ailanthus. Valued for its nuts, as well as for its ornamental appearance. 8 to 10 ft., \$2.50 each, \$22.50 for 10; 6 to 8 ft., \$2 each, \$18 for 10.

J. nigra. *Black Walnut.* (Lr) This native tree is of majestic size and graceful habit, with dark brown bark and beautiful foliage. Valuable for lumber in regions where it flourishes. We do not recommend planting it north of Boston. 10 to 12 ft., \$3 each, \$27 for 10; 8 to 10 ft., \$2.50 each, \$24 for 10.

KÆLREUTERIA

Kœlreuteria paniculata. *Golden Rain Tree.* A very ornamental, round-headed tree with handsome, light green foliage and large clusters of small yellow flowers. Very decorative. 5 to 6 ft., \$3 each.

LABURNUM • Golden Chain

Laburnum vulgare. *Golden Chain.* (Sm) A small tree with smooth foliage, deriving its name from the long racemes of golden yellow blossoms produced in June. It does best in a cool, shady spot. 4 to 5 ft., \$2 each, \$18 for 10; 3 to 4 ft., \$1.50 each, \$12.50 for 10.

LARIX • Larch

Larix laricina. *American Larch; Tamarack.* (Lr) Rapid-growing pyramidal tree, becoming irregular at maturity, with very attractive light green foliage. When grown by itself and well developed it is a very ornamental tree. Although a native of swampy ground it thrives in ordinary soils. 8 to 10 ft., \$3.25 each; 6 to 8 ft., \$2.75 each, \$25 for 10.

LIQUIDAMBAR

Liquidambar styraciflua. *Sweet Gum.* (Mm) A handsome native tree of stately growth, with corky bark and leaves that resemble those of the maple, but are more star-shaped, and glossy green, turning deep purplish crimson in autumn. It thrives best south of New England. 7 ft., \$5.50 each; 6 ft., \$4.50 each.

LIRIODENDRON

Liriodendron tulipifera. *Tulip Tree.* (Lr) This large, symmetrical tree has smooth bark, glossy, light green, fiddle-shaped leaves and spreading branches. The flowers are tulip like, greenish yellow blotched with orange. 8 to 10 ft., \$2.50 each; 5 to 6 ft., \$2 each.

MAGNOLIA

Magnolia soulangeana. *Saucer Magnolia.* A sturdy, picturesque tree of moderate size, covered in spring with giant pinkish flowers before the leaves appear. Very handsome and easily one of the most ornamental flowering trees in existence. 3 to 4 ft., \$12 each; 2 to 3 ft., \$9 each.

MALUS • Flowering Crabapple

The Wild Crabs are smallish, round-headed trees, literally covered with blossoms in the spring. Most varieties are very fragrant, and all are followed in the fall by a profusion of waxy fruits varying from pale green to orange-red. Very beautiful for a corner of the lawn or as the background to lower shrubs, and they do especially well in low spots or little hollows.

Malus arnoldiana. *Arnold Crab.* (Sm) Semi-double pink blossoms in early spring, followed by yellow fruit, and attractive foliage make this a very popular variety. 5 to 6 ft., \$5 each; 4 to 5 ft., \$3 each; 3 to 4 ft., \$2 each.

M. atrosanguinea. *Carmine Crab.* (Sm) Like most Flowering Crabapples, it makes an excellent specimen or lawn tree for in spring it is a mass of single crimson blooms. 5 to 6 ft., \$3.50 each; 4 to 5 ft., \$2.50 each; 3 to 4 ft., \$2 each.

M. floribunda. *Japanese Flowering Crab.* (Sm) One of the best early, spring-flowering bushes, or small trees. The deep pink or rosy red flowers appearing with the leaves, are produced in great abundance, followed by very showy reddish, pea-sized fruit on long, slender stems, making it very ornamental in autumn. 5 to 6 ft., \$4 each; 4 to 5 ft., \$3 each; 3 to 4 ft., \$2 each.

M. floribunda purpurea. *Purple Crab.* Similar, with purple foliage. 4 to 5 ft., \$2.50 each.



Malus theifera. Tea Crab. See page 16



Malus (Flowering Crab)

MALUS, continued

- M. halliana parkmani.** *Parkman's Crab.* (Sm) Irregular and awkward when young, but a most attractive tree when filled with buds and blossoms. Each bud regularly produces five blossoms on stems 3 inches long, so slender that they bend with the buds or bloom in a very graceful fashion. The buds are carmine and open to semi-double blossoms. When in bloom, the tree presents a most gorgeous appearance. 4 to 5 ft., \$3.50 each; 3 to 4 ft., \$2 each.
- M. ioensis plena.** *Beechtel's Crab.* (Sm) One of the most beautiful flowering Crabs, producing double, fragrant flowers of delicate pink resembling small roses. The tree is a miracle of beauty when in full bloom. 5 to 6 ft., \$3.50 each; 4 to 5 ft., \$2.50 each, \$22.50 for 10; 3 to 4 ft., \$2 each, \$18 for 10.
- M. niedzwetzkyana.** *Redvein Crab.* (Mm) A very ornamental tree with deep pink flowers. A larger grower than most Flowering Crabs. 5 to 6 ft., \$3 each, \$27 for 10; 4 to 5 ft., \$2.50 each, \$22.50 for 10.
- M. sargentii.** *Sargent Crab.* A dwarf tree, with white blooms and showy red fruit. 4 to 5 ft., \$3.50 each; 3 to 4 ft., \$2.75 each; 2 to 3 ft., \$2 each, \$18 for 10.
- M. scheideckeri.** *Scheidecker Crab.* A very showy, early-flowering variety with double pink blossoms. 5 to 6 ft., \$3 each; 4 to 5 ft., \$2.50 each, \$24 for 10; 3 to 4 ft., \$2 each, \$18 for 10.
- M. spectabilis.** *Chinese Flowering Crab.* (Sm) This small tree has very attractive flowers—the opening buds are almost coral-red and very showy. 5 to 6 ft., \$3 each; 4 to 5 ft., \$2.50 each; 3 to 4 ft., \$2 each.

MALUS, continued

M. theifera. *Tea Crab.* We believe this is one of the very handsomest of the lot. The profusion of delicate, pink flowers is almost unbelievable, every branch and twig buried in a mass of delicate loveliness. 3 to 4 ft., \$3.50 each, \$33 for 10; 2 to 3 ft., \$2 each, \$18 for 10.

MORUS • Mulberry

Morus alba tatarica. *Russian Mulberry.* (Mm) A low, very bushy-topped tree with reddish fruit which birds like; very hardy and desirable. 6 to 8 ft., \$1.75 each, \$16 for 10; 5 to 6 ft., \$1.50 each, \$13.50 for 10.

M. alba pendula. *Teas Weeping Mulberry.* (Dv) One of the best small weeping lawn trees, forming a perfect umbrella-shaped head of light green, deeply lobed foliage. Fruit reddish purple. Thrifty and hardy. 2-yr. heads, \$3.50 each, \$33 for 10.

OXYDENDRUM

Sorrel Tree

Oxydendrum arboreum. *Sourwood.* (Sm) Slender and graceful as a birch, this tree will fill a narrow corner or fit in with the shrubs. The flowers are its crowning glory, coming in long, curving racemes, like drooping bouquets of lily-of-the-valley, in midsummer when no other tree is in bloom. It is the first tree in autumn from which to pick a spray of scarlet foliage. 3 to 4 ft., \$2.50 each; 2 to 3 ft., \$2 each.

PLATANUS • Plane Tree

The Planes are massive, ornamental trees especially adapted to street planting and parks. They have ornamental bark, big handsome leaves, and in a general way resemble the maples. Because of their resistance to smoke and gases they are especially valuable for city planting.

Platanus occidentalis. *American Plane Tree.* (Lr)

One of the most massive and perhaps the tallest deciduous tree in North America. The leaves are heart-shaped at the base, with short, sharp-pointed lobes, and densely cover the branches which are mottled white where the thin bark scales off. An excellent street and park tree. This is the common very handsome American Sycamore. 10 to 12 ft., \$3 each; 8 to 10 ft., \$2.25 each; 6 to 8 ft., \$2 each.

P. orientalis. *European Plane Tree.* (Lr) Another excellent street and park tree, with broad, round head on a comparatively short trunk, and dullish gray or greenish white bark. A rapid grower which has become very popular for street planting in the larger cities. 10 to 12 ft., \$3.25 each; 8 to 10 ft., \$2.50 each, \$22.50 for 10; 6 to 8 ft., \$1.75 each.

Mrs. Hawes wants me to express to you her gratitude for your advice and her appreciation of the quality of the shrubs which you supplied her.—CHARLES H. HAWES, 9 Wyman Road, Cambridge, Massachusetts.

**PHELLODENDRON • Cork Tree**

Phellodendron amurense. *Amur Cork Tree.* (Mr) An excellent street tree as it resists drought and is not attacked by insects. It grows rapidly when young, thriving in almost any kind of soil, and has a round, broad head, and gray bark. The leaves turn yellow in autumn. 12 to 14 ft., \$4 each, \$36 for 10; 10 to 12 ft., \$3 each, \$25 for 10.

POPULUS • Poplar

Quick-growing trees, never very large, but always of agreeable form. They are voracious feeders and should not be planted where their roots are likely to get into drains. Poplars should never be planted singly, as it requires a group of them to secure the picturesque effect for which they are noted. This applies particularly to the thin, columnar types like the Lombardy.

†**Populus balsamifera.** *Balsam Poplar.* (Lr) A tall, upright, symmetrical tree of rapid, luxuriant growth, with large, glossy leaves which are retained late in autumn. The buds exhale an agreeable odor and are used for medicinal purposes. This tree will thrive under severe exposures. 10 to 12 ft., \$1.75 each, \$16 for 10; 8 to 10 ft., \$1.50 each, \$14 for 10.

†**P. eugenei.** *Carolina Poplar.* (Mr) A popular tree where shade is wanted quickly. It grows rapidly in almost any soil, is of spreading form, with gray-green bark, and heart-shaped, bright green foliage. Valuable for shade and for high screen planting. 10 to 12 ft., \$1.75 each, \$15 for 10; 8 to 10 ft., \$1.50 each, \$12 for 10.

P. nigra italica. *Lombardy Poplar.* (Lr) This well-known, upright, and extremely rapid-growing tree has bright pale green leaves, lighter beneath, and branches down to the ground. It is used very satisfactorily for screen purposes and also for formal effects on account of its columnar form. 12 to 14 ft., \$2.50 each, \$22 for 10; 10 to 12 ft., \$2 each, \$18 for 10; 8 to 10 ft., \$1.50 each, \$12.50 for 10; 6 to 8 ft., \$1.25 each, \$11 for 10.

PRUNUS • Plum

Charming small trees with dark-colored foliage, suitable for specimens or groups on the lawn and among shrubbery, where they are particularly effective.

PRUNUS, continued

Prunus cerasifera, Othello. (Improved Pissard.) A handsome, small tree with deeper color than the original Purple-leaved Plum, of which it is an improved variety. 8 to 10 ft., \$3.75 each; 6 to 8 ft., \$3.25 each; 5 to 6 ft., \$2.75 each.

P. cerasifera pissardi. *Purpleleaf Plum.* Very popular decorative tree, with handsome, dark purple leaves and pretty wine-red fruits. It retains its rich color until autumn. 6 to 8 ft., \$3 each; 5 to 6 ft., \$2.50 each.

PRUNUS**Japanese Flowering Cherries**

A choice selection of the famous Cherry trees of Japan, celebrated in this country because of the wonderful collection in Potomac Park, at Washington, D. C., which attracts thousands of visitors every spring. They bloom very early and are most showy. The first variety is not a true Japanese sort but is equally beautiful.

Prunus avium albo-plena. A handsome, decorative tree with charming, double, white flowers. 5 to 6 ft., \$4 each; 4 to 5 ft., \$3 each.

P. subhirtella. A very floriferous Japanese tree with pale pink flowers of great beauty. 4 to 5 ft., \$4 each.

P. subhirtella rosea pendula. *Weeping Japanese Cherry.* An extremely decorative form, grown on a tall, straight stem, from the top of which the slender branches sweep in a broad umbrella-like head. The flowers are various shades of bright pink. Extremely handsome for specimen use. 5 to 6 ft., \$6 each.

P., Kansan or Setizan. Bright pink, true Japanese variety. 4 to 5 ft., \$4 each; 3 to 4 ft., \$3 each.

P., Kofugen. Buds crimson; blossoms old-rose. 4 to 5 ft., \$4 each.

P., Naden. Lovely, double pink. 4 to 5 ft., \$4 each; 3 to 4 ft., \$3 each.

P., Shirofugen. Buds pink; blossoms light pink. 4 to 5 ft., \$4 each; 3 to 4 ft., \$3 each.

PTELEA • Hop Tree

†**Ptelea trifoliata.** *Common Hop Tree.* (Ds) A round-headed, loosely branched tree with glossy green foliage which, if bruised, exhales a pleasant hop-like odor. It is covered in the fall with numerous green fruit-pods. 6 to 8 ft., \$1.25 each, \$11 for 10; 5 to 6 ft., \$1 each, \$9 for 10.



A planting of Japanese Flowering Cherries growing at Washington, D. C.



QUERCUS • Oak

Splendid trees, rather slow-growing at first, but when once established develop amazingly within a few years. They are of noble proportions and give an impression of boundless strength and vigor.

Quercus bicolor. *Swamp White Oak.* (Lr) Thrives in wet locations, but does equally well in well-drained soils. It has a round-topped, open head and is one of the fastest growing Oaks. 10 to 12 ft., \$5 each, \$48 for 10; 8 to 10 ft., \$4 each, \$38 for 10.

Q. coccinea. *Scarlet Oak.* A large, handsome tree especially valued for brilliant scarlet foliage in autumn. 6 to 8 ft., \$4.50 each; 5 to 6 ft., \$3.50 each.

Q. palustris. *Pin Oak.* (Lr) This very handsome tree is particularly adapted to lawn and avenue planting. It has drooping branches and finely divided dark green leaves which turn red in fall. A rapid grower that prefers moist soil, and, as it is fibrous-rooted, transplants well. 12 to 14 ft., \$12 each; 6 to 8 ft., \$4 each, \$38 for 10.

†**Q. rubra.** *Common Red Oak.* (Lr) A broad tree of rapid growth with large, rich green foliage, that turns bronzy red in the fall. Will flourish in poor soil. 6 to 8 ft., \$3.50 each; 5 to 6 ft., \$3 each.

ROBINIA • Locust

†**Robinia pseudoacacia.** *Common Locust.* (Lr) An excellent variety for producing natural, informal effects as it grows very rapidly to 80 feet high. In early summer it bears a profusion of fragrant white flowers in drooping racemes. Will thrive under city conditions, and withstand severe exposure. 6 to 8 ft., \$2.50 each; 5 to 6 ft., \$1.75 each, \$15 for 10; 4 to 5 ft., \$1.50 each, \$14 for 10.

SALIX • Willow

Wherever there is a stream, a pond, or a bit of low ground, the Willows should be considered. They are among the most beautiful and graceful of trees, and are extremely attractive in early spring when the tiny pale green leaves first open.

Salix babylonica. *Babylon Weeping Willow.* (Lr) Probably the best known Willow and splendid sort for formal effects. It has very drooping, long, slender branches of olive-green. Will grow in any good soil. 8 to 10 ft., \$2 each, \$18 for 10; 6 to 8 ft., \$1.50 each, \$14 for 10.



Ulmus americana. American Elm

SALIX, continued

†**S. pentandra.** *Laurel Willow.* (Mv) An ornamental tree of upright, dense growth, making it fine for screens. The bark is brownish green, and the leaves dark glossy green, much like the California privet. Excellent for seashore planting. 6 to 8 ft., \$1 each, \$9 for 10; 5 to 6 ft., 90 cts. each, \$8 for 10; 4 to 5 ft., slender, 75 cts. each, \$7 for 10; 3 to 4 ft., bushy, 70 cts. each, \$6.50 for 10.

†**S. vitellina.** *Golden Willow.* (Lm) A large and venerable-looking tree, conspicuous at all seasons, but particularly in winter on account of its yellow bark. 6 to 8 ft., \$1.25 each, \$11 for 10; 5 to 6 ft., \$1 each, \$9 for 10.

SORBUS • Mountain-Ash

Sorbus americana. *American Mountain-Ash.* A very decorative, native tree, which is extremely showy when covered by large bunches of scarlet-orange fruits. 5 to 6 ft., \$2 each; 4 to 5 ft., \$1.75 each, \$15 for 10.

S. aucuparia. *European Mountain-Ash.* (Mm) The clusters of scarlet berries, borne in abundance from July to winter, make this a very attractive small lawn tree. 8 to 10 ft., \$2.50 each, \$22.50 for 10; 6 to 8 ft., \$2 each, \$18 for 10; 5 to 6 ft., \$1.50 each, \$12.50 for 10.

SYRINGA • Lilac

Syringa japonica. *Japan Tree Lilac.* (Sm) A remarkable Tree Lilac from Japan with creamy white flowers. Should be on every lawn. 4 to 5 ft., \$2 each, \$18 for 10.

TAXODIUM • Bald Cypress

Taxodium distichum. *Bald Cypress.* (Lr) A stately tree with foliage like an evergreen but which is shed in autumn. 3 to 4 ft., \$2 each, \$18 for 10.

TILIA • Linden

Big, handsome trees of rapid growth and among the best ornamentals for either lawn or street planting. They are beautiful in foliage, in flower, and when bare, and should be widely used.

Tilia americana. *American Linden.* (Lr) An American species, with intensely fragrant yellow flowers and broad, round top which gives plenty of shade. Suitable for lawns, parks, and streets. 10 to 12 ft., \$4.50 each; 8 to 10 ft., \$3.50 each.

T. spectabilis. *Showy Linden.* This vigorous, lofty-growing tree has blooms like *T. americana* and grayish downy leaves. A handsome, densely headed, ornamental tree useful for a great many purposes. 10 to 12 ft., \$7.50 each; 8 to 10 ft., \$6 each.

ULMUS • Elm

The Elms are famous trees and have a rural, pastoral air that fits admirably into landscape planting schemes. They almost always look best in a wide-spaced row, or isolated in a field or on a hillside, and some of the finest of our New England villages owe their beauty to their Elm-bordered streets. There is scarcely any purpose for which they are not almost always first choice, because of their grace, their permanence, and their rapid growth.

Ulmus americana. *American Elm.* (Lr) The most beautiful of the Elms, and the glory of our old New England towns. It is lofty and spreading, with drooping branches and is very hardy. A fine avenue tree. 12 to 14 ft., \$5 each, \$48 for 10; 10 to 12 ft., \$4 each, \$36 for 10; 8 to 10 ft., \$2.75 each, \$25 for 10; 6 to 8 ft., \$2 each, \$18 for 10.

U. americana, Vase-shaped. Selected specimens of uniform shape and habit. Especially fine where special uniform effects are desired. 12 to 14 ft., \$6 each; 10 to 12 ft., \$5 each, \$48 for 10; 8 to 10 ft., \$3.75 each, \$35 for 10.



Azaleas in bloom in the Arnold Arboretum

DECIDUOUS SHRUBS

THERE is a tremendous number of beautiful bushes or shrubs which embrace flowering forms of every conceivable variety, and others admired for their fruits, or for their leaves, or for their interesting shape.

They should always be planted in groups or borders; isolated specimens, unless very large, look lonesome and forlorn. A good arrangement invariably provides open stretches of lawn bordered with irregular masses of shrubs against the boundary-line or buildings. It is best not to mix too many kinds in any one group. Their outline and habits differ so very much that best effects always come from planting large restful colonies of one kind or closely related sorts.

The ground for shrubs should be well prepared and worked all over, and be kept cultivated and free from weeds until the shrubs have grown to cover the whole space. They cannot be expected to thrive and do their duty if they are stuck in a little hole in the sod.

ABBREVIATIONS

Denoting Size: L, large; M, medium; S, small; D, dwarf; VD, very dwarf.

Denoting Varieties Suitable for Seashore Planting: (†).

Denoting Varieties Producing Fruit Which Attracts Birds: (§).

Remember, 5 or more plants of one kind will be furnished at rate for 10.

ACANTHOPANAX

Acanthopanax pentaphyllum. *Fiveleaf Aralia.* (M) A graceful shrub, with arching, spiny branches and bright green, shining foliage. Excellent in shady places, on rocky banks and slopes, and also for hedges. 4 to 5 ft., \$1.25 each, \$11 for 10; 3 to 4 ft., \$1 each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

AMELANCHIER

Shadbush . Juneberry

§**Amelanchier canadensis.** *Downy Shadblow.* (L) Small, graceful tree which breaks into a lacy cloud of snowy flowers in early spring; followed by small purplish fruit in autumn. 4 to 5 ft., \$1.75 each; 3 to 4 ft., \$1.25 each, \$11 for 10.

§**A. rotundifolia.** *European Shadblow.* A stiff, upright shrub, covered with clustered white flowers in early spring and bluish black berries in autumn. 4 to 5 ft., \$1 each, \$7.50 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10.

AMORPHA

Amorpha fruticosa. *Indigobush.* (L) The unusual, dark violet-purple flowers in June make this an exceptionally interesting shrub. It is of spreading habit, with fine, feathery foliage. Excellent for massing. 5 to 6 ft., \$1 each, \$7.50 for 10; 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

ARONIA • Chokeberry

§†**Aronia arbutifolia.** *Red Chokeberry.* (L) This attractive, densely branched shrub bears clusters of white flowers in May, followed by very ornamental red berries. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., \$1 each, \$8 for 10.

§**A. melanocarpa.** *Black Chokeberry.* (M) Similar to *A. arbutifolia*, but the fruit is glossy black. 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., 90 cts. each, \$7.50 for 10.

Bay State Nurseries employ no agents or salesmen soliciting orders.

All prices at our nurseries are f. o. b. North Abington, Mass.



Azalea kaempferi
Torch Azalea

HARDY AZALEAS

All the Azaleas we grow are hardy and particularly attractive for American gardens and in shady spots about an estate. Like the Rhododendrons, they will not live in limey soil. They bloom from the first of May until the middle of July, and an assortment of them will provide at least one variety in blossom all the time during that period. The Roman numerals refer to their order of blooming.

All Azaleas will be balled and burlapped (B & B) without extra charge

Azalea arborescens. *Sweet Azalea.* (M) The very fragrant white flowers of this variety have pink stamens and appear after the dark green leaves are nearly full grown. (XI) 2 to 2½ ft., \$3.50 each, \$33 for 10; 18 to 24 in., \$3 each, \$27 for 10; 15 to 18 in., \$2.50 each, \$22.50 for 10.

A. calendulacea. *Flame Azalea.* (M) The most showy Azalea, and one of the most beautiful flowering shrubs. It remains in bloom several weeks, bearing a profusion of scentless, orange-yellow or flame-red flowers before the leaves appear. (X) 2½ to 3 ft., \$4.50 each, \$42 for 10; 2 to 2½ ft., \$3.50 each, \$33 for 10; 18 to 24 in., \$3 each, \$27 for 10.

A. canescens. *Piedmont Azalea.* (M) This variety has rosy pink flowers which open before or with the unfolding of the leaves, and in early spring fill the woods with beauty and fragrance. An important and useful variety. (VII) 2 to 3 ft., \$3.50 each, \$33 for 10; 18 to 24 in., \$2.75 each, \$25 for 10.

A. kaempferi. *Torch Azalea.* (M) A very handsome, tall-growing variety with flowers which vary from bright orange-red to salmon-pink. It thrives in partial shade and is extremely floriferous and hardy in New England. Exceptionally desirable and, we believe it is one of the best of all for brilliancy and refinement of color, combined with other good shrub virtues. One can make no mistake in planting this Azalea liberally. (IV) 18 to 24 in., \$4.75 each, \$45 for 10; 15 to 18 in., \$4 each, \$36 for 10; 12 to 15 in., \$3 each, \$27 for 10.

A. kaempferi Hybrids. A new race of hybrid varieties raised from the splendid Kaempferi, with large, showy flowers of various shades of rich salmon and orange. These are new. (V) 18 to 24 in., bushy, \$10 each, \$95 for 10; 15 to 18 in., bushy, \$7.50 each, \$72 for 10.

AZALEAS, continued

A. mollis. *Chinese Azalea.* (S) Resembles a dwarf rhododendron with good foliage and bears flowers in all shades of red, yellow, and orange. It is perfectly hardy, thriving in sunny positions anywhere, and is excellent in masses. Its roots must not come in contact with barnyard manure. All that we said of the value of *Azalea Kaempferi* applies with equal force to this variety. Both are superb Azaleas. Excellent plants of mixed colors. (VIII) 18 to 24 in., \$4.50 each, \$42 for 10; 15 to 18 in., \$3.50 each, \$33 for 10.

A. mollis, Louisa Hunnewell. A new hybrid of *Azalea mollis* which is perfectly hardy in New England. Flowers brilliant salmon-red or orange, and borne in tremendous quantity. (IX) 15 to 18 in., \$4.50 each; 12 to 15 in., \$3 each.

A. mucronulatum. *Mongolian Azalea.* An upright shrub, 6 feet high or more, valued for its very early bright rose flowers and the handsome autumn color of its leaves. (I) 15 to 18 in., \$4 each, \$36 for 10.

A. nudiflora. *Pinxterbloom.* (S) The flowers vary from deep pink to reddish purple, and appear in May. Suitable for mass planting and flourishes in light sandy soil. (VI) 18 to 24 in., \$3 each, \$27 for 10; 15 to 18 in., \$2.50 each, \$22.50 for 10.

A. poukhanensis. *Korean Azalea.* A low-growing Azalea producing a profusion of pale lilac-purple flowers, utterly different from all other Azaleas. Hardy at Boston. (III) 18 to 24 in., \$5 each, \$45 for 10; 12 to 15 in., \$3 each, \$27 for 10.

A. vaseyi. *Pinkbell Azalea.* (M) A tall shrub of open, irregular habit, with slender stems and small, compact clusters of pink flowers appearing before the leaves. Foliage turns deep crimson in the fall. (II) 18 to 24 in., \$4.50 each, \$42 for 10; 15 to 18 in., \$3.50 each, \$33 for 10.



BERBERIS • Barberry

These attractive shrubs are of inestimable value for their neat, compact growth, beautiful foliage and fruit, and their adaptability to a multitude of uses. They are among the finest hedge plants, and several of them make beautiful specimens interspersed through a mixed shrubbery. The colored foliage forms are particularly effective for variety and special emphasis.

‡**Berberis sieboldi.** *Siebold Barberry.* (S) A very handsome shrub with leaves purplish when unfolding, becoming deep red in the autumn. Its large, bright red berries retain their color until spring. 3 to 4 ft., 75 cts. each, \$6.50 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10.

‡**B. thunbergi.** *Japanese Barberry.* (M) We know of no better hedge plant and slow-growing shrub for New England and other northern states than the Japanese Barberry. The plant is not only hardy but also graceful and attractive. Its foliage is of a rich green color in the summer, and in the autumn is very brightly colored. The fruit is equally showy and remains on the plants from the last of the summer until midwinter. Like other hedge plants, the Barberry should be planted at the rate of one plant to one foot of ground—in other words, a space of 75 feet will require 75 plants. Our plants are well grown and very bushy, and our prices are reasonable for stock of this quality. Remember that we allow the 100 rate on 25 or more plants of one kind.

3 to 3½ ft., 90 cts. each, \$7.50 for 10, \$60 per 100.
2½ to 3 ft., 60 cts. each, \$5.40 for 10, \$45 per 100;
2 to 2½ ft., 50 cts. each, \$4 for 10, \$27 per 100;
18 to 24 in., 35 cts. each, \$2.50 for 10, \$18 per 100;
15 to 18 in., 25 cts. each, \$2 for 10, \$12 per 100;
12 to 15 in., 20 cts. each, \$1.50 for 10, \$9 per 100.

The above are all bushy, but we offer 2½ to 3-ft. specimens (B&B), \$1 each, \$9 for 10.

‡**B. thunbergi atropurpurea.** *Red-leaved Japanese Barberry.* Exactly like the Japanese Barberry, except the foliage is a bright red and maintains this color throughout the season. 18 to 24 in., \$1.50 each, \$13.50 for 10; 15 to 18 in., \$1.25 each, \$11.50 for 10; 12 to 15 in., 90 cts. each, \$8 for 10.

NOTE.—*Berberis thunbergi* and *B. thunbergi atropurpurea* have been approved by the U. S. Department of Agriculture and may be shipped anywhere without spreading wheat-rust.

‡**B. vernæ.** *Verna Barberry.* A desirable variety with pinkish red fruit. 2 to 2½ ft., \$1 each, \$9 for 10. 18 to 24 in., 90 cts. each, \$7.50 for 10.

‡**B. vulgaris.** *European Barberry.* (M) A handsome variety in the spring, with its golden yellow flowers and light green foliage, and in fall the bright scarlet berries make it very attractive. The branches are upright, arching and thorny. 2 to 3 ft., 60 cts. each, \$4.50 for 10.

‡**B. vulgaris atropurpurea.** *Purple Barberry.* (M) Similar to *B. vulgaris*, with beautiful violet-purple foliage and fruit. Very effective in groups and masses. 2 to 3 ft., 75 cts. each, \$6.50 for 10.

NOTE.—We do not ship *B. vernæ*, *B. sieboldi*, or *B. vulgaris* out of New England on account of wheat-rust.

BUDDLEIA • Butterfly Bush

The Buddleias have flowers of the most attractive soft lavender-purple and make big, showy shrubs in a mixed planting.

Buddleia davidi magnifica. *Oxeye Butterfly Bush.* (M) An attractive shrub which produces an abundance of fragrant, showy, rosy purple flowers with orange-yellow centers, from August to October. The stalks die to the ground in the winter and grow anew to full stature each summer, if they do not winter-kill altogether, which seldom happens. 2-yr. plants, 60 cts. each, \$5 for 10.

B. davidi veitchiana. *Veitch's Butterfly Bush.* A more robust shrub than the foregoing, with mauve and orange flowers, borne in larger clusters, but similar in other respects. 2-yr. plants, 60 cts. each, \$5 for 10.

CALYCANTHUS

Calycanthus floridus. *Common Sweet Shrub.* (L) A favorite shrub found in old-fashioned gardens everywhere; will thrive in partial shade. It has fine, glossy foliage and pineapple-scented, chocolate-colored flowers that last far into the summer. 2 to 2½ ft., 75 cts. each, \$6.50 for 10.

CARAGANA

Caragana arborescens. *Siberian Pea-Tree.* (L) This very hardy tall shrub has dark green wood, neat foliage, and small yellow flowers in June. It flourishes in light, sandy soil. 3 to 4 ft., \$1 each, \$7.50 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

CARYOPTERIS

Caryopteris incana. *Common Bluebeard.* (S) A low, spreading bush, producing clusters of beautiful, blue, fragrant flowers from September until frost. It dies to the ground here in winter and must be protected if the plant is to continue in a northern climate. 2-yr., 50 cts. each, \$4.50 for 10.

CEPHALANTHUS

Cephalanthus occidentalis. *Common Buttonbush.* (M) An excellent shrub for waterside planting as it thrives best in moist, loamy soil. Its creamy white, fragrant flowers are borne in dense round heads in midsummer. 2 to 3 ft., 75 cts. each, \$6 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

CLETHRA

†**Clethra alnifolia.** *Summersweet; Sweet Pepper Bush.* (M) A dainty, little, native shrub with spikes of creamy white, fragrant flowers throughout the season. It thrives in shady, damp places, where many shrubs will not grow, and is worthy a place in any garden. 3 to 4 ft., 90 cts. each, \$7 for 10; 2 to 3 ft., 75 cts. each, \$5.50 for 10. See illustration on page 22.

If you wish shrubs in larger sizes than you find listed here, write us for quotations. We have larger specimens in nearly every variety mentioned here.



Buddleia davidi magnifica. Oxeye Butterfly Bush



Clethra alnifolia. Sweet Pepper Bush. See page 21.

CORNUS • Dogwood; Cornel

Prominent among the hardiest and showiest of shrubs are the shrubby Dogwoods. They present a continual display of beauty in flower, leaf, foliage, fruit, and twig that is hard to equal in any other family of shrubs. The common Dogwood of the woods, *Cornus florida*, is listed under "Deciduous Trees."

§†**Cornus alba**. *Tatarian Dogwood*. (L) An erect-stemmed shrub with good, clean foliage and bright blood-red branches making it very showy in shrubberies, especially in winter. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$4.50 for 10.

CORNUS, continued

§**C. amomum**. *Silky Dogwood*. (M) A reddish stemmed, late-blooming sort whose corymbs of white flowers appear in June. Its blue berries are very pretty in October. 4 to 5 ft., 85 cts. each, \$7 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10.

C. mas aureo-elegantissima. *Variegated Cornelian Cherry*. (M) The beautiful green leaves of this variety are edged with white, making it desirable among other shrubs for its contrasting foliage. 3 to 4 ft., \$1 each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

§†**C. paniculata**. *Gray Dogwood*. (M) One of the most handsome, free-flowering native shrubs. Its white fruits and red stems are most showy in the fall. 2 to 3 ft., 75 cts. each, \$6.50 for 10.

§**C. sanguinea**. *Blood-twigg Dogwood*. (L) Red or purplish red branches and greenish white flowers, followed by black fruit. 4 to 5 ft., \$1 each, \$8 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10.

§**C. stolonifera**. *Red-Osier Dogwood*. (M) Dark blood-red branches and prostrate stem. Flowers in dense cymes, followed by white berries. 5 to 6 ft., \$1 each; 4 to 5 ft., 75 cts. each, \$6.50 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

§**C. stolonifera flaviramea**. *Golden-twigg Dogwood*. (S) Branches yellow, making a striking contrast with the red-barked sort just mentioned. Very attractive in winter. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10.

CORYLUS • Filbert

Corylus americana. *American Hazelnut*. (L) While the nuts produced by this variety are smaller than those of the European Filbert, they are of fine, sweet flavor. Very hardy. 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., 90 cts. each, \$7.50 for 10.

C. avellana. *Filbert*. The European Filbert of commerce. An attractive shrub about 15 feet high, which bears its nuts abundantly in autumn. 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., \$1 each, \$8 for 10.

C. avellana atropurpurea. *Purple Filbert*. A highly ornamental purple-leaved variety of the domestic Filbert of Europe offered above. It grows 15 feet or more high and excellent for strong accents. 2 ft., \$2.25 each.



Cotoneaster horizontalis. Rock Cotoneaster



COTONEASTER

Very decorative shrubs especially attractive by the side of walls or in connection with stonework. The tiny flowers and usually small leaves are most graceful, and the whole aspect of the plant is delicately beautiful. They are hardy, and their fruits are decorative in winter.

- Cotoneaster acutifolia villosula.** A spreading shrub 12 feet high with especially attractive foliage, hairy on the under side. The decorative fruits are black. From 5-in. pots, 12 to 15 in., \$1 each, \$9 for 10.
- C. dielsiana.** *Diels Cotoneaster.* Six feet high when mature, the branches are slender and arching, well clothed with small ornamental foliage, and glossy red fruits. Field-grown, 2½ to 3 ft., \$1.50 each, \$12.50 for 10; from 5-in. pots, 6 to 9 in., 90 cts. each, \$8 for 10.
- C. divaricata.** *Spreading Cotoneaster.* A spreading, arching shrub with extremely decorative leaves and tiny bead, or gem-like flowers. Fruits bright red and persist a long time. Field-grown, 2 to 3 ft., \$2 each, \$18 for 10; from 5-in. pots, 15 to 18 in., \$1.25 each, \$11 for 10.
- C. horizontalis.** *Rock Cotoneaster.* (Dm) This low shrub, with its almost horizontal branches and small glossy green leaves, is becoming used more each year. The flowers are pinkish white and the fruit bright red. While it is one of the very best shrubs for use in a rock garden, it is equally attractive in other spots and for use as ground-cover. Field-grown, B&B, 18 to 24 in., \$1.75 each, \$16 for 10; from 5-in. pots, 9 to 12 in., \$1.25 each, \$11 for 10; 5-in. pots, 6 to 9 in., \$1 each, \$8 for 10.
- C. horizontalis perpussilla.** Like *C. horizontalis*, one of the finest shrubs for terraces and rockeries. It has smaller leaves and is dwarfier generally. From 5-in. pots, 6 to 9 in., \$1 each, \$9 for 10.
- C. horizontalis wilsoni.** *Wilson Cotoneaster.* A more arching and diffuse form, generally the tallest of the *C. horizontalis* type. Quite distinct. From 5-in. pots, 12 to 15 in., \$1.50 each, \$13.50 for 10.
- C. moupinensis.** *Mupin Cotoneaster.* Reaches 15 feet at maturity, with thickish leaves, rather longer than most varieties. Flowers pinkish; fruits black. 2½ to 3 ft., field-grown plants, \$1.50 each, \$13.50 for 10.
- C. nitens.** Much like *C. divaricata* and equally handsome, but the fruits are shining purple-black. From 5-in. pots, 15 to 18 in., \$1.25 each, \$10 for 10.
- C. racemiflora.** One of the hardest of the family, growing about 4 feet, sometimes lower. Leaves roundish; very free flowering; fruits red. Very handsome. From 5-in. pots, 12 to 15 in., \$1.25 each, \$10 for 10.
- C. simonsi.** *Simons Cotoneaster.* A hardy type from the Himalaya mountains. Bushy; 4 feet high; flowers pinkish, and fruits red. Generally considered one of the most ornamental species. 3 to 4 ft., field-grown, \$1.25 each, \$11 for 10.

CYDONIA

- Cydonia japonica.** *Japan Quince.* (M) One of the first shrubs to bloom in the spring, and very showy because of its glossy leaves and flowers that vary in color from white to scarlet, followed by quince-shaped, fragrant, golden yellow fruit. It has spreading, spiny branches and makes a handsome flowering hedge. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., 90 cts. each, \$8 for 10.

If you have planting problems, we suggest that you consult a landscape architect. Write to us and we will give you the names of several. Experience convinces us that the best results can be obtained, if you are not familiar with plant material, by consulting a competent landscape architect. The landscape architect stands in practically the same relation to us, or any nursery, as the physician does to a drug store.



Deutzia lemoinei. Lemoine Deutzia

DEUTZIA

Few shrubs are of such easy culture and give such universal satisfaction. The dazzling white and soft pink of their myriad blossoms yield many handsome effects in garden or border arrangements.

- Deutzia gracilis.** *Slender Deutzia.* (D) The slender, arching branches are profusely covered by pure white flowers, in early summer. 18 to 24 in., 90 cts. each, \$7.50 for 10; 15 to 18 in., 75 cts. each, \$5.50 for 10; 12 to 15 in., 60 cts. each, \$4.50 for 10.
- D. lemoinei.** *Lemoine Deutzia.* (M) An early-blooming, vigorous, floriferous shrub, with pure white flowers in great sprays along its stout branches. Makes a desirable flowering hedge. 3 to 4 ft., 90 cts. each, \$8 for 10; 2½ to 3 ft., 75 cts. each, \$7 for 10; 2 to 2½ ft., 60 cts. each, \$5.50 for 10.
- D. scabra candidissima.** *Snowflake Deutzia.* One of the most dainty and graceful of the Deutzias, with immense fluffy sprays of pure white, double flowers. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10.
- D. scabra plena.** *Double Pink Deutzia.* (L) A vigorous, hardy shrub that in July is covered with close spikes of showy, pink-tinged white flowers, when many other shrubs have finished blooming. Worthy of a place in every collection. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.
- D. scabra fortunei.** *Fortune Deutzia.* A notably large-flowered type; very charming and not common. 4 to 5 ft., 90 cts. each, \$7.50 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10.
- D. scabra crenata.** *Pride of Rochester.* (L) One of the tallest and best Deutzias. The large, double, white flowers, with the backs of the petals tinged rose, are borne in great profusion in July. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.
- D. scabra watereri.** *Waterer Deutzia.* (L) A beautiful variety with large, double pink flowers in July. 2 to 3 ft., 75 cts. each, \$6.50 for 10.



DIERVILLA

Diervilla trifida. *Dwarf Bush-Honeysuckle.* (D) An excellent shrub for low masses on large estates, but not so desirable for other purposes as the true weigelas which belong to the same botanic group. Bears a profusion of loose, yellow flowers in June. 2 to 2½ ft., 60 cts. each, \$5 for 10.

ELÆAGNUS • Oleaster

†**Elæagnus angustifolia.** *Russian Olive.* (L) A spreading, somewhat spiny bush, with woolly leaves and fragrant yellow flowers. Especially good for the seashore. Very attractive when in fruit. 3 to 4 ft., 60 cts. each, \$5 for 10; 2 to 3 ft., 50 cts. each, \$4 for 10.

E. longipes. *Cherry Elæagnus.* (M) This very desirable shrub has reddish brown branchlets, foliage dark green above, silvery beneath, and yellowish white, fragrant flowers followed by edible scarlet fruit. It is showy and attractive at all times, particularly when in fruit, and is one of the comparatively few decorative shrubs which thrive in the neighborhood of salt water. 2 to 3 ft., \$1.25 each, \$11 for 10.

EUONYMUS • Strawberry Tree

Several other varieties of Euonymus are listed under Evergreen Shrubs.

†**Euonymus alatus.** *Winged Euonymus.* (M) Most desirable shrub of dwarf, compact habit, with yellowish flowers, followed by red fruit. The foliage is brilliant red in autumn. 3 to 4 ft., \$2 each, \$18 for 10; 2 to 3 ft., \$1.50 each, \$13.50 for 10.

E. alatus compacta. *Dwarf Winged Euonymus.* A dwarf form of the above. A very choice compact shrub which is new and very desirable. 3 to 3½ ft., \$3.50 each; 2 to 3 ft., \$2.50 each.



Forsythia intermedia spectabilis. Showy Border Forsythia

EUONYMUS, continued

E. americanus. *Brook Euonymus.* An upright shrub, growing to 8 feet, with attractive foliage, reddish flowers, and showy pink fruits. 3 to 4 ft., \$1 each, \$8 for 10.

E. bungeanus. *Winterberry Euonymus.* A slender shrub 15 feet or more high, particularly handsome when covered by its bright orange fruits. 3 to 4 ft., \$1 each, \$8 for 10.

†**E. europæus.** *European Burning Bush.* (L) An erect shrub which sometimes makes a small, compact tree. Its foliage is dark green, turning crimson in the fall, and its flowers yellowish, followed by orange-scarlet fruit. 4 to 5 ft., \$1.50 each, \$13.50 for 10; 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., 75c. each, \$6.50 for 10.

E. latifolius. *Broadleaf Burning Bush.* (L) Large shrubs or small tree with handsome foliage and yellowish flowers in June. Especially attractive when covered by its large, decorative fruit. 4 to 5 ft., 90c. each, \$8 for 10; 3 to 4 ft., 75c. each, \$6 for 10.

E. yedoensis. *Yeddo Euonymus.* The showiest of all the bush Euonymus family. Leaves five to six inches long, slightly pendulous, turn brilliant red in fall. Scarlet berries surrounded by pink husks in great profusion. 3 to 4 ft., \$1.50 each, \$13.50 for 10; 2 to 3 ft., \$1.25 each.

EXOCHORDA

Exochorda grandiflora. *Common Pearl Bush.* (L) This is a Chinese shrub of robust, tree-like growth, producing loose clusters of pure white flowers in May. Very beautiful where the climate is not too severe. 3 to 4 ft., \$1 each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

FORSYTHIA • Golden Bell

Spring is really spring when the Forsythias bloom! Somehow they are the most welcome of the early shrubs because their tender yellow blossoms so definitely belong to that season and no other; and while they seem no stronger than a cloud of yellow butterflies, they defy and defeat winter at the door of spring! One Forsythia shining against a clump of evergreens is a pretty sight, but a clump of them, a border, or a hedge of them is a miracle of loveliness.

†**Forsythia intermedia.** *Border Forsythia.* (L) An erect-growing shrub, but when full grown the branches arch gracefully, and bear clouds of deep yellow flowers. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10.

F. intermedia spectabilis. *Showy Border Forsythia.* Much more profuse-flowering than the original type, and several shades richer in its glorious deep yellow. Plants vigorous and compact. Regarded by the Arnold Arboretum and all others who have grown it as the finest member of the family. A bush of it, when allowed to grow naturally into its splendid mounded form and magnificent size, is a glorious sight in early spring, every branchlet and twig, from top to bottom, completely buried in flowers. 3 to 4 ft., \$1 each, \$7.50 for 10.

†**F. suspensa.** *Weeping Forsythia.* (L) This variety has long, drooping branches, with bright yellow flowers early in April. 4 to 5 ft., 90 cts. each, \$7.50 for 10; 3 to 4 ft., 75 cts. each, \$6.50 for 10; 2 to 3 ft., 60 cts. each, \$5 for 10.

†**F. suspensa fortunei.** *Fortune's Forsythia.* (L) The upright branches of this shrub are covered with a profusion of rich yellow flowers and later by broad, deep green foliage, turning purplish in autumn. One of the handsomest of the Forsythias. 4 to 5 ft., 90 cts. each, \$7.50 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10.

†**F. viridissima.** *Greenstem Forsythia.* (M) A more bushy shrub than the other varieties. Its foliage is rich green and it blooms less profusely and somewhat later than the other sorts. It is fine for prolonging the very desirable Forsythia season. 4 to 5 ft., 90 cts. each, \$7 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10.

We fill each order with freshly dug stock from the fields. We do not store our plants in cellars



GENISTA

†**Genista tinctoria.** *Woad-waxen.* (M) The pretty, golden yellow blossoms come in June and attract much attention when the plants are grown in masses. It is a very good shrub for rockeries and dry hills or for planting banks. It does especially well in poor, thin soil, where nothing else can be made to grow. 2 to 3 ft., 60 cts. each, \$5 for 10.

HALESIA

Halesia tetraptera carolina.

Great Silverbell. (L) A very vigorous shrub which eventually becomes a small tree. It is a native of the Blue Ridge Mountains. The beautiful, white, bell-like flowers are borne profusely in May, making a distinctly handsome effect. The foliage is beautifully and vividly colored in autumn, giving it great landscape value. 4 to 5 ft., \$1.25 each, \$11 for 10; 3 to 4 ft., \$1 each, \$9 for 10.

HAMAMELIS

Hamamelis vernalis. *Vernal Witch-Hazel.* Attractive winter-blooming shrub with bright yellow flowers in January, February, or March, which are not injured by zero weather. A shrub of unusual interest for its curious flowers and strange blooming season. Grows about 6 feet high. 2 to 3 ft., \$2 each, \$18 for 10.

H. virginiana. *Common Witch-Hazel.* (L) Another native shrub much like the hazel. Its queer, yellow flowers appear in November after the leaves have fallen. 3 to 4 ft., 90 cts. each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

HIBISCUS SYRIACUS

Althæa; Rose of Sharon

These are sturdy, tree-like shrubs that wait until the others are through blooming and then they have the landscape to themselves to make it merry with their many flowers of pink, and white, and violet. Late July and August finds them at their best. They are splendid to border a drive, for specimens, or for backgrounds. Not hardy north of Boston.

Anemonæflorus. (L) Double white flowers with a richly tinted center.

Ardens. Double; intense purplish blue.

Boule de Feu. Semi-double; violet-red flowers.

Duchesse de Brabant. (L) This double pink variety is needed in every collection.

Jeanne d'Arc. (L) A very strong-growing shrub, producing double white flowers.

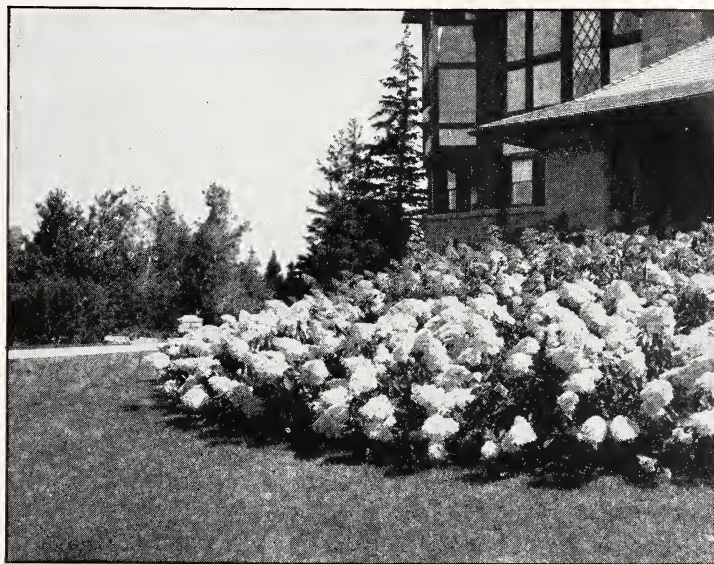
Lady Stanley. (L) One of the most attractive of our collection. Double, blush-white flowers, with a dark center.

Snowstorm (Totus albus). (M) Produces single pure white flowers. A dwarf grower which makes a beautiful hedge.

Prices of above varieties, 3 to 4 ft., 75 cts. each, \$7 for 10

HYDRANGEA

The enormous production of big bold flowers and the long time they remain in attractive condition have earned the Hydrangeas an almost limitless popularity. Few plants are more satisfactory around homes and for display on large estates or parks.



Hydrangea paniculata grandiflora. Peegee Hydrangea

HYDRANGEA, continued

Hydrangea arborescens grandiflora. *Snowbill Hydrangea.* Its large clusters of pure snow-white flowers, average 4 to 5 inches in diameter, appear from June to the middle of September. Suitable for shady as well as sunny positions. 3 to 4 ft., 90 cts. each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

H. paniculata. *Panicled Hydrangea.* (L) This is a form of the above with single flowers, and in many respects is a much more pleasing shrub, particularly for its gracefulness. Highly recommended in landscape planting. It blooms in September, in upright panicles, the flowers creamy white, later turning to shades of rose and purple. 3 to 4 ft., \$1 each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

H. paniculata grandiflora. *Peegee Hydrangea.* (L) This variety is exceedingly well known, being in almost every garden. Its large, conical heads of white flowers become pink and red with age. It should have plenty of water, and be severely pruned every spring in order to produce large flowers. We offer it in both bush and tree form.

Bush form, 3 to 4 ft., 90 cts. each, \$7.50 for 10; 2 to 3 ft., 65 cts. each, \$5.50 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

Tree form, 3 to 4 ft., \$1.50 each, \$14 for 10.

H. radiata. *Silver-leaved Hydrangea.* (M) The large, heart-shaped, bright green foliage of this variety is silvery beneath, and the contrasting colors are decidedly pleasing. The white flowers are borne in flat corymbs. 2 to 3 ft., 60 cts. each, \$5 for 10.

HYPERICUM • St. John's-Wort

Hypericum aureum. *Golden St. John's-Wort.* (S) A showy shrub of stiff, dense habit which prefers moist soil. The foliage is bluish, and the golden yellow flowers are produced from August to October. 2 to 2½ ft., 90 cts. each, \$7.50 for 10; 18 to 24 in., 75 cts. each, \$6 for 10.

H. densiflorum. (M) A larger variety than the above, with bright yellow flowers from July to September. 2 to 2½ ft., 90 cts. each, \$7.50 for 10; 18 to 24 in., 75 cts. each, \$6 for 10.

H. patulum henryi. *Henry Hypericum.* Dwarf evergreen shrub with large, showy golden yellow flowers. Quite hardy. 15 to 18 in., 75 cts. each, \$7 for 10; 12 to 15 in., 60 cts. each, \$5.50 for 10.



ILEX

†**Ilex verticillata.** *Common Winterberry.* (L) A very ornamental shrub with upright branches and light green foliage. Its bright scarlet berries are very decorative and remain on the branches until mid-winter. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., \$1 each, \$8.50 for 10.

KERRIA • Globe Flower

Kerria japonica. *Kerria; Globe Flower.* (M) An erect, rather tall shrub with long, clean stems bearing single, five-petaled yellow flowers throughout the summer. The foliage becomes yellow in autumn and the plant is decidedly attractive the whole year. 2 to 2½ ft., 90 cts. each, \$8 for 10; 18 to 24 in., 75 cts. each, \$6 for 10.

K. japonica flore-pleno. *Double Kerria.* (M) Very double flowers which look like little balls of gold. This bush is more common than the single variety and enjoys the same treatment. It blooms constantly from June to September. 2 to 3 ft., 90 cts. each, \$7.50 for 10.

KOLKWTZIA • Beauty Bush

Kolkwitzia amabilis. *Beauty Bush.* A handsome new shrub from Korea, hardy in New England, making long sprays of graceful foliage and completely buried in delicate pink flowers like tiny weigela blossoms, tinted with yellow in the throat. One of the finest modern introductions to the shrub list and rapidly becoming very popular. 3 to 4 ft., \$5 each; 2 to 3 ft. \$4 each, \$37.50 for 10; 18 to 24 in., \$2.50 each, \$22.50 for 10.

LESPEDeza • Bush Clover

Lespedeza formosa (sieboldi). *Purple Bush Clover.* A very desirable plant for its long, drooping racemes of rosy purple flowers in September. The top of the plant dies to the ground in winter, and restores itself rapidly during the summer, producing flowers late in the season at a time when showy flowering shrubs are extremely scarce. 2-yr. plants, 60 cts. each, \$5 for 10.



Kolkwitzia amabilis. Beauty Bush

LIGUSTRUM • Privet

It seems unnecessary to expatiate upon the merits of Privet. Everybody knows what handsome hedges and screens this valuable group of plants can make when properly planted and trimmed. They grow vigorously in almost any situation, even in fairly dense shade and places where the soil seems always dry.

The plants of the varieties Ibota, Regelianum, and Vulgare are used as shrubs in borders of flowering shrubs and are very effective.

†**Ligustrum amurense.** *Amur Privet.* A tall-growing, upright shrub with dark green, lustrous leaves and white flowers like bunches of little white lilacs. Perfectly hardy. This plant has been used for hedges to a tremendous extent in the past few years and has given general satisfaction. It also forms an excellent quick-growing screen.

4 to 5 ft., 75 cts. each, \$5.00 for 10, \$39 per 100;
3 to 4 ft., 60 cts. each, \$3.50 for 10, \$24 per 100;
2 to 3 ft., 40 cts. each, \$2.50 for 10, \$18 per 100.

†**L. ibolium.** *Ibolium Privet.* This is a new hardy Privet, a hybrid between *L. ibota* and *L. ovalifolium*, having the rich, glossy green leaves of the latter and the bushiness and hardness of the former. It is becoming more popular each year. 3 to 4 ft., 50 cts. each, \$4 for 10, \$27 per 100; 2 to 3 ft., 40 cts. each, \$3 for 10, \$21 per 100.

†**L. ibota.** *Ibota Privet.* (L) One of the hardiest and most graceful sorts. It has spreading, curving branches, grayish green leaves, and fragrant white flowers in June, followed by black berries. Useful for specimens, mass planting or hedges. 4 to 5 ft., 60 cts. each, \$5 for 10; 3 to 4 ft., 50 cts. each, \$4.50 for 10, \$27 per 100; 2 to 3 ft., 40 cts. each, \$3 for 10, \$18 per 100.

†**L. ibota regelianum.** *Regel Privet.* (M) A low, absolutely hardy shrub, with almost horizontal branches. It is graceful and sufficiently dense for hedges without trimming. 2½ to 3 ft., 70 cts. each, \$6 for 10; 2 to 2½ ft., 60 cts. each, \$5 for 10, \$39 per 100; 18 to 24 in., 50 cts. each, \$4 for 10, \$33 per 100.

†**CALIFORNIA PRIVET** (*Ligustrum ovalifolium*).

(L) This very handsome shrub is of stiff, upright habit. It transplants easily and is most useful for shrubbery, screens, or hedges. 3 to 4 ft., 30 cts. each, \$2.20 for 10, \$14 per 100; 2 to 3 ft., 25 cts. each, \$1.80 for 10, \$12 per 100; 18 to 24 in., 20 cts. each, \$1.50 for 10, \$10 per 100.

Our Privet is heavy transplanted stock, bushy tops and roots

†**L. vulgare.** *European Privet.* (L) Very hardy. It has grayish green foliage, white flowers in June followed by clusters of shining black berries. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 50 cts. each, \$4 for 10, \$33 per 100; 2 to 3 ft., 40 cts. each, \$3 for 10, \$27 per 100.

LONICERA • Bush Honeysuckle

Graceful shrubs with interesting foliage and habit, charming flowers, in many cases very fragrant, and delightful berries. The climbing Honeysuckles will be found under *Lonicera* in the section devoted to Vines and Climbing Plants.

§**Lonicera bella albida.** *White Belle Honeysuckle.*

(M) A strong, rapidly growing shrub, bearing a profusion of white flowers and scarlet fruits. 4 to 5 ft., 75 cts. each; 3 to 4 ft., 60 cts. each, \$5 for 10.

§**L. fragrantissima.** *Winter Honeysuckle.* (M)

This strong-growing bush reaches a height of 8 feet, with very fragrant, creamy white flowers in early spring. 3 to 4 ft., 90 cts. each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.



LONICERA, continued

L. maackii. *Amur Honeysuckle.* A very large and attractive shrub with grayish foliage and graceful branches. Very handsome as a specimen and a very quick-growing subject for the shrub-border. Scarlet berries. 3 to 4 ft., \$1 each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

L. maackii podocarpa. *Late Honeysuckle.* A somewhat dwarfier and more spreading type of handsome form. Very showy and beautiful in fruit. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., \$1 each, \$8 for 10.

†**L. morrowi.** *Morrow's Honeysuckle.* (M) A shrub with wide-spreading branches and leaves which are dark green above and grayish beneath. The creamy white flowers in May and June are followed by bright red fruits ripening in August and lasting until late in the fall. Very decorative. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

L. ruprechtiana. *Manchurian Honeysuckle.* (L) Another particularly desirable shrub because of its yellowish white flowers in June, and showy red fruit in autumn. It grows 12 feet high and has attractive and graceful habit with an abundance of dark green foliage that is grayish beneath. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

L. tatarica. *Tatarian Honeysuckle.* (L) A big, graceful bush that bears a profusion of pink flowers in June, which show up well against the foliage. These are followed by an abundance of light red berries. It flourishes in partial shade. 5 to 6 ft., 90 cts. each, \$7.50 for 10; 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$4.50 for 10.

†**L. tatarica alba.** *White Tatarian Honeysuckle.* (L) Similar to *L. tatarica*, but has large, pure white flowers and crimson fruit. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

L. tatarica grandiflora rosea. Flowers somewhat larger than the preceding, delicately tinted pink with deeper edges. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$4.50 for 10.

MYRICA • Wax Myrtle

†**Myrica carolinensis.** *Northern Bayberry.* (M) A low, spreading native shrub which thrives in sandy places. It is a sub-evergreen, much admired for its dark green, fragrant foliage. The flowers are inconspicuous, but are followed by charming white, waxy berries. A most desirable native shrub. 18 to 24 in., \$1 each, \$8 for 10; 15 to 18 in., 75 cts. each, \$6.50 for 10; 12 to 15 in., 60 cts. each, \$5 for 10.

NEMOPANTHUS

†**Nemopanthus mucronatus.** *Mountain Holly.* (L) An ornamental, upright shrub grown for its attractive fruit and medium-sized, bright green leaves. It produces inconspicuous whitish flowers in May and June and attractive red fruit on slender, drooping stalks in August and September. 4 to 5 ft., 75 cts. each; 3 to 4 ft., 60 cts. each.

PHILADELPHUS • Mock Orange

For some curious reason the Philadelphuses were confused a long time ago with the Syringas, which is the proper name of the lilacs, and many people still refer to the old-fashioned Mock Orange as Sweet Syringa. But whatever their name they are charming shrubs, with deliciously fragrant flowers, for most part, and deserve an honored place in every shrub collection.



Philadelphus Virginal. See page 28

PHILADELPHUS, continued

†**Philadelphus coronarius.** *Sweet Mock Orange.* (L) This tall-growing shrub, with upright branches, has a great profusion of pure white, delightfully fragrant flowers in June and handsome, dark green foliage. It makes a good hedge in partly shady places. 5 to 6 ft., 90 cts. each, \$7.50 for 10; 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$4.50 for 10.

P. coronarius foliis aureis. *Golden Mock Orange.* (D) A graceful, dwarf variety, with bright yellow foliage which retains its color throughout the season, making it very effective for contrast in shrubby plantings. 18 to 24 in., 90 cts. each, \$8 for 10; 12 to 15 in., 65 cts. each, \$6 for 10.

†**P. gordonianus.** *Gordon Mock Orange.* (L) Very rapid-growing variety with grayish brown branches and large, pure white flowers that come later than the other sorts. 3 to 4 ft., 60 cts. each, \$5 for 10.

†**P. grandiflorus.** *Big Scentless Mock Orange.* (L) A vigorous variety, with large, white, showy flowers in June. It grows rapidly although its branches are somewhat straggling. 4 to 5 ft., 75 cts. each, \$5 for 10; 3 to 4 ft., 60 cts. each, \$4 for 10.

Hybrid Varieties of Mock Orange

These comprise some of the finest highly developed sorts that have come from the hands of the famous Lemoine of France. They are great improvements over the old types, and need only to be better known to be universally admired.

Avalanche. (M) A very handsome shrub, with slender, drooping branches covered almost the whole length with showy white flowers, whereby it justifies its name. 2 to 3 ft., 75 cts. each, \$6 for 10.

I was very much pleased with the shrubs that you sent me to Orford, New Hampshire, and without exception, every one was in very good condition.—HAROLD W. BAKER, 31 Mt. Vernon Street, Boston, Massachusetts.



PHILADELPHUS, Hybrid Varieties, continued

Brachybotrys. A new hybrid with tall stems covered by large, pure white flowers. 3 to 4 ft., \$1.50 each, \$14 for 10.

Lemoine. (M) This choice variety produces fragrant, pure white flowers in clusters in June. It is very desirable for shrub plantings. 3 to 4 ft., 90 cts. each, \$7.50 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

Mont Blanc. (D) Charming dwarf sort, with very large, fragrant flowers, produced in great abundance. 3 to 4 ft., 90 cts. each, \$7.50 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

Virginal. A handsome, erect shrub which covers itself with very large double flowers in June and continues to bloom at the tips of the new shoots all summer and fall. Next to the fragrant old-time *P. coronarius*, it is the favorite of all lovers of these beautiful shrubs. We do not hesitate to recommend this variety to everyone. In sheer beauty and profusion of bloom it equals the best, and its habit of blooming a little in summer and autumn is an entirely different and valuable character. It ought to be in every garden. 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., \$1 each, \$8 for 10.

PHYSOCARPUS

†**Physocarpus opulifolius.** *Common Ninebark.* (L) Strong-growing shrub with white flowers along the stems, from which the bark hangs in long shreds and strips. A splendid plant for shady places. 4 to 5 ft., 60 cts. each, \$5 for 10; 3 to 4 ft., 50 cts. each, \$4 for 10.

†**P. opulifolius aureus.** *Goldleaf Ninebark.* (L) Similar to *P. opulifolius*, but has bright yellow foliage. 4 to 5 ft., 60 cts. each, \$5 for 10; 3 to 4 ft., 50 cts. each, \$4 for 10.

POTENTILLA

Potentilla fruticosa. *Shrubby Cinquefoil.* (M) A smallish shrub producing numerous, bright yellow flowers throughout the summer. It thrives in either dry or wet soil and is excellent for rockeries. 2 to 3 ft., 90 cts. each, \$7.50 for 10; 18 to 24 in., 75 cts. each, \$6 for 10.

PRUNUS • Plum and Almond

This is a group of delightful, early-flowering shrubs and small trees beaming with beauty and cheerfulness. Their earliness commends them to all discriminating planters. Certain tree-forms will be found under "Deciduous Trees."

Prunus glandulosa albiplena. *Double Pink-flowering Almond.* (M) Produces very double, rose-colored flowers in great profusion in the spring. One of the most charming early-flowering shrubs. 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., \$1 each, \$8 for 10.

P. glandulosa sinensis. *Double White-flowering Almond.* (M) Similar to the pink variety but produces an abundance of double white flowers in May. 3 to 4 ft., \$1.25 each, \$10 for 10.

§†**P. maritima.** *Beach Plum.* (S) A handsome thorny plant, of picturesque growth and spectacularly beautiful when covered with its billows of shining white flowers in early spring. The fruits are crimson and purple and have some value for eating and preserving. An especially desirable shrub for seaside planting and bleak situations. It grows much taller inland and frequently becomes a small tree. 2 to 3 ft., 75 cts. each, \$6.50 for 10.

P. triloba. *Flowering Plum.* (M) A vigorous shrub, having broad, pointed leaves and delightful light pink, double flowers in early spring. 3 to 4 ft., \$1 each, \$9 for 10.

P. virginiana. *Common Choke Cherry.* (L) Bush or small tree, with rough speckled bark. The fragrant flowers appear in the spring with the leaves in long finger-like racemes, and are followed by red fruit in the summer. 3 to 4 ft., 50 cts. each, \$4 for 10.

RHODOTYPOS

†**Rhodotypos kerrioides.** *Jetbead.* (M) A bushy shrub from Japan, bearing snowy white flowers in May, followed by shining black berries. It strongly resembles *Kerria japonica* in all but the color of its flowers. Grows in all soils and in shady places. 2 to 3 ft., 75 cts. each, \$6 for 10.

RHAMNUS • Buckthorn

§**Rhamnus cathartica.** *Common Buckthorn.* (M) Fine spiny shrub, with dark green foliage, white flowers, and small fruits. An excellent hedge plant that thrives in partial shade. 3 to 4 ft., 60 cts. each, \$5 for 10; 2 to 3 ft., 50 cts. each, \$3.60 for 10.

R. frangula. *Glossy Buckthorn.* A handsome shrub or small tree 12 feet high with dark glossy foliage and glittering red fruit which later turns black. Very hardy and persistent. 3 to 4 ft., 60 cts. each, \$5 for 10.

RHODORA

Rhodora canadensis. *Rhodora.* (D) Very closely related to the azaleas, which it resembles, this dwarf shrub is covered with rosy-purple flowers appearing in May. In the wild it grows in moist places but it does well in drier locations. It blooms at the same time as *Azalea vaseyi*. 18 to 24 in., \$2.50 each, \$22 for 10; 15 to 18 in., \$2 each, \$18 for 10.

RHUS • Sumac

A family of rather curious, big shrubs that deserves notice wherever boldness and decisiveness of effect are wanted.

†**Rhus canadensis.** *Fragrant Sumac.* (M) A spreading shrub with clusters or short spikes of small yellow flowers before the leaves. The thick, fragrant foliage turns dark crimson in autumn. 2 to 3 ft., \$1 each, \$9 for 10; 18 to 24 in., 90 cts. each, \$7.50 for 10.

†**R. copallina.** *Shining Sumac.* (M) The beautiful lustrous green foliage of summer changes to rich crimson in autumn and in August are produced the heads of greenish yellow flowers. Very ornamental and useful for large masses. 4 to 5 ft., 75 cts. each, \$6.50 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

R. cotinus. *Common Smoke Tree.* (L) A much-admired shrub for its clouds of purplish misty flowers borne in early June. In the fall the leaves change to brown, red, and yellow. 4 to 5 ft., \$1.50 each; 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., \$1 each, \$9 for 10.

†**R. glabra.** *Smooth Sumac.* This large shrub has smooth bark and attractive crimson seeds and foliage in autumn. Excellent for masses. 5 to 6 ft., 90 cts. each, \$7.50 for 10; 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

A Few New or Comparatively New Varieties of Shrubs

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RHUS, continued

†**R. typhina.** *Stagbom Sumac.* (L) A bold tree-like shrub with velvety hairy stems and tropical-looking foliage which turns brilliant scarlet in the fall. Its pointed heads of crimson berries persist all winter. Thrives in poor, rocky soil. Especially fine for hillside planting. 5 to 6 ft., 90 cts. each, \$7.50 for 10; 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

ROBINIA

Robinia hispida. *Rose Acacia.* (M) Highly ornamental shrub, bearing drooping clusters of beautiful rose-colored flowers, like pea-blossoms, on long stems during May and June. Especially attractive in large masses. Will grow in any soil. 3 to 4 ft., \$1 each, \$9 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

ROSA

The Wild Rose or Rose Species

The Wild Roses surely merit the attention of everyone. Their delicate fragrance and the fragile beauty of their flowers are one of the most beautiful things in Nature. They vary widely in their habits, from erect, almost climbing plants like *Rosa setigera* and *R. multiflora*, to flat, almost evergreen creepers like *R. wichuraiana*. The Rugosas are especially fine for bold masses, even on the seashore; and a few Sweetbriars should be intermingled in every shrub planting for the delicious fragrance of their leaves when wet with dew or rain.

§**Rosa blanda.** *Meadow Rose.* (M) A slender, erect, red-branched, almost thornless variety, with thin, pale green foliage and single flowers, of bright pink; in clusters in May. The stems and red berries are very bright against the winter snow. 2 to 3 ft., 75 cts. each, \$6 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

R. hugonis. *Hugonis Rose.* This big, arching shrub, with spiny stems, blooms very early in May, in long garlands of bright yellow single flowers which are followed by red, translucent fruits. The best single yellow Rose for shrub use. 2-yr., \$1.50 each, \$12.50 for 10.

†§**R. lucida.** *Virginia Rose.* (D) A dwarf native variety, with prickly stems, dark green leaves, and single, rosy pink flowers about 2 inches across. It does well on poor soil and is often used for roadside edging. 2 to 3 ft., 75 cts. each, \$6 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

§**R. multiflora japonica.** *Japanese Rose.* (L) A Japanese native of rapid growth, forming a round, drooping shrub of fine proportions when standing alone; its proper place, however, is mixed with other shrubbery. Its bunches of single, pure white flowers which look like clustered blackberry blossoms, are produced in great quantities, and are followed by handsome sprays of small scarlet fruits. 3 to 4 ft., 60 cts. each, \$5 for 10.

Rosa hugonis
Hugonis Rose

ROSA, continued

†§**R. nitida.** *Bristly Rose.* (D) A very dwarf, erect plant whose branches are completely covered with straight prickles and bristles. The foliage is bright green and very glossy, and the flowers bright pink. 2 to 3 ft., 60 cts. each, \$5.50 for 10.

†**R. palustris.** *Swamp Rose.* (L) The tall-growing wild Rose, with single pink flowers produced during the summer months. Its bright red fruit is very showy. This variety is especially adapted to damp ground. 2 to 2½ ft., 60 cts. each, \$5.50 for 10.

†§**R. rubiginosa.** *Sweetbrier Rose.* (L) A well-known variety with delicately fragrant foliage and small, pink, fragrant flowers, followed by quantities of bright fruit. It is especially good in a mixed border where its slender sprays of pretty leaves arch above the lower shrubs. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$5 for 10.

§**R. rubrifolia.** *Red-leaved Rose.* (L) Slender, erect, purplish branches, covered with a bluish bloom. The foliage is bluish green, tinged with red, and is very effective as a colored shrub. Its flowers are tiny and very vivid pink, sparkling like stars. 2 to 3 ft., 75 cts. each, \$6.50 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

†§**R. rugosa.** *Rugosa Rose.* (L) A stout, upright shrub, 6 to 8 feet high, densely covered with prickles, and having bold, wrinkled foliage, immune to insects and disease. The flowers are very large, single, usually purplish red, and very fragrant, followed by crimson-scarlet fruit. 2 to 3 ft., 60 cts. each, \$5 for 10, \$39 per 100; 18 to 24 in., 50 cts. each, \$4.50 for 10, \$33 per 100.

†**R. rugosa alba.** *White Rugosa Rose.* (L) The habit and foliage are similar to the preceding, but the fragrant flowers are pure white. Makes a splendid flowering hedge, particularly at the seashore. 2 to 2½ ft., 75 cts. each, \$6.50 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.

†**R. setigera.** *Prairie Rose.* (L) Large, single flowers of deep rose-color. It is a straggly climber, and when trained over the veranda of a rustic cottage, it makes a beautiful display. Especially handsome on stone piles or walls, and is perfectly at home in a fence corner. 3 to 4 ft., 60 cts. each, \$4.50 for 10; 2 to 3 ft., 50 cts. each, \$4 for 10.

R. spinosissima. *Scotch Rose.* A low-growing very spiny bush, covered in spring with a mass of small single white flowers. Very attractive because of its dense habit and beautiful foliage. 2 to 2½ ft., 90 cts. each, \$8 for 10; 18 to 24 in., 75 cts. each, \$6.50 for 10.



Rosa spinosissima. Scotch Rose. See page 29

ROSA, continued

- †**R. wichuraiana**. *Wichurian Rose*. (D) Used extensively for covering embankments and stonework, as it creeps rapidly over the surface, forming a mat of glossy foliage. The flowers are pure white, borne in clusters late in the season, and are very fragrant. 3-yr., 75 cts. each, \$6 for 10; 2-yr., 60 cts. each, \$4.50 for 10.

RUBUS

- Rubus odoratus**. *Flowering Raspberry*. (M) A low shrub with very large foliage and showy rosy purple blossoms in clusters, followed by large, flattish red fruits. Excellent for massing under trees and on steep banks. 2 to 3 ft., 50 cts. each, \$4 for 10.

SAMBUCUS • Elder

- †**Sambucus canadensis**. *American Elder*. (L) A well-known, very hardy native shrub with big, light green foliage, flat heads of creamy white flowers of the utmost daintiness and charm in June and July, followed by reddish purple berries in autumn. 3 to 4 ft., 60 cts. each, \$5 for 10; 2 to 3 ft., 50 cts. each, \$4 for 10.
- S. canadensis acutiloba**. *Cut-leaved Elder*. A very handsome type of the foregoing, with finely cut foliage and excellent habit. Distinct. 3 to 4 ft., 75 cts. each, \$6.50 for 10.
- S. nigra aurea**. *Golden European Elder*. (L) One of the best of the yellow foliage shrubs if grown in full sunlight. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$5 for 10.

SAMBUCUS, continued

- S. racemosa**. *European Red Elder*. A very vigorous 12-foot shrub with large leaves, cream-yellow flowers, and scarlet berries. Showy and desirable border shrub. 4 to 5 ft., \$1.25 each, \$11 for 10; 3 to 4 ft., \$1 each, \$9 for 10.

SPIRÆA • Meadowsweet

A vast and important family of extraordinarily beautiful shrubs. All have great charm of foliage and the profusion of flowers they produce is remarkable. The famous Bridal Wreath is familiar to everybody; and there are other sorts just as charming, with different seasons of bloom and unusual diversity of habit. We recommend them highly.

- †**Spiræa arguta**. *Garland Spirea*. (M) The best early-flowering Spirea, producing, in May, sheets of flowers like drifts of snow across the border. Very hardy and beautiful, and we consider it one of the best of the very early-flowering shrubs. 5 to 6 ft., 90 cts. each, \$7.50 for 10; 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.
- †**S. bumalda**. *Bumalda Spirea*. (D) A very different bushy, dwarf plant, with large, flat heads of rosy pink flowers in great profusion from July until frost. Especially good for low masses of subdued color. 2 to 2½ ft., 75 cts. each, \$6.50 for 10; 18 to 24 in., 60 cts. each, \$5 for 10.
- †**S. bumalda, Anthony Waterer**. *Anthony Waterer Spirea*. (S) An improved form of *S. bumalda*. A very free-blooming, compact shrub, with bright crimson flowers in broad, flat heads. The foliage is often variegated with crimson, white, and yellow especially in spring, and sometimes tinted with pink. Makes a desirable low flowering hedge. 2 to 2½ ft., 60 cts. each, \$5 for 10; 18 to 24 in., 50 cts. each, \$4.50 for 10.
- †**S. bumalda froebeli**. *Froebel Spirea*. (S) Similar to Anthony Waterer but grows taller and less compact bearing bright crimson flowers over a long period. An effective plant for broad low masses of subdued color. 3 to 4 ft., 75 cts. each, \$6.50 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10; 18 to 24 in., 50 cts. each, \$4 for 10.
- S. fortunei**. *Fortune's Spirea*. (S) A handsome shrub with upright branches and young leaves of fine purplish color. In June, its pretty pink flowers appear in large, loose panicles. 3 to 4 ft., 60 cts. each, \$4.50 for 10.
- S. japonica ovalifolia**. *White Japanese Spirea*. (D) This delightful, dwarf white-flowering shrub is of bushy, symmetrical form, suitable for hedges or borders. 2 to 3 ft., 60 cts. each, \$5 for 10; 18 to 24 in., 50 cts. each, \$4 for 10.
- S. prunifolia**. *Bridal Wreath*. (M) Graceful shrub, with fine, tiny double white flowers in great masses along the stems in May. This is a very well known and long popular plant, as the common name indicates. Lately there has been a tendency to apply the name Bridal Wreath to *S. vanhouttei* which has become much more common. 3 to 4 ft., 75 cts. each, \$6.50 for 10; 2 to 3 ft., 60 cts. each, \$5 for 10.
- S. reevesiana**. *Reeves' Spirea*. (M) Noted for its dark green narrow foliage which is pale bluish green beneath, and its large pure white flowers. Similar to *S. vanhouttei* except that its leaves turn scarlet in the autumn. 3 to 4 ft., 60 cts. each, \$5.50 for 10.
- S. superba**. *Striped Spirea*. (D) Quite dwarf, with striped, dark brown stems and pinkish white flowers through June and July. 2 to 3 ft., 60 cts. each, \$4.50 for 10; 18 to 24 in., 50 cts. each, \$3.50 for 10.

We suggest planting some F. J. Grootendorst Roses among your flowering shrubs



SPIRÆA, continued

- S. thunbergi.** *Thunberg's Spirea.* (M) Of especially graceful habit, growing about 5 feet tall, and bearing abundant small white flowers in May. Extensively used in shrub borders, because of its fine feathery foliage which turns orange and scarlet in autumn. 3 to 4 ft., 90 cts. each, \$7.50 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.
- S. trichocarpa.** *Korean Spirea.* A spreading, arching shrub bearing mounded clusters of snowy flowers in the manner of *Vanhouttei* but larger, broader, and blooms later. A very new variety and a welcome member of this interesting group of shrubs. 3 to 4 ft., \$2 each, \$18 for 10; 2 to 3 ft., \$1.50 each, \$13.50 for 10.
- S. vanhouttei.** *Vanhoutte's Spirea.* (L) The finest of all *Spiræas*. Its gracefully arching branches are covered in June with beautiful bunches of tiny white flowers. When out of flower its handsome bluish green foliage makes it very desirable. Unsurpassed for flowering hedges. 4 to 5 ft., 90 cts. each, \$6 for 10; 3 to 4 ft., 75 cts. each, \$5 for 10, \$33 per 100; 2 to 3 ft. 50 cts. each, \$4 for 10, \$30 per 100.

STEPHANANDRA

- Stephanandra flexuosa.** *Cutleaf Stephanandra.* (M) A beautiful Japanese shrub, closely allied to the *Spiræas*, of fountain-like habit, with graceful, spreading and drooping branches, and handsome, deeply cut foliage. In June its pure white flowers appear in panicked racemes. A valuable subject for shrubberies and rocky banks. 2 to 3 ft., 60 cts. each, \$5 for 10.

SYMPHORICARPOS

- Symphoricarpos chenaulti.** A bushier variety than the common Snowberry, covered with light pink berries in summer and autumn. 3 to 4 ft., \$1.25 each; 2 to 3 ft., \$1 each, \$9 for 10.
- †**S. racemosus.** *Common Snowberry.* (M) A fine, bushy shrub with very decorative leaves and slender branches which bend gracefully under a load of white, waxy berries, in autumn. The flowers are rose-pink and appear in July and August. It flourishes in partial shade. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$4.50 for 10.
- †**S. vulgaris.** *Coralberry.* (M) Of more compact growth than the former. The flowers are greenish red and are followed by dark, purplish red berries in clusters. Excellent for massing on hillsides and rough places, or in partial shade. 3 to 4 ft., 60 cts. each, \$4.50 for 10; 2 to 3 ft., 50 cts. each, \$4 for 10.

SYRINGA · Lilac

Again we come upon a family of shrubs too familiar to require description; but who could describe their charm and beauty anyway? There's a nobility and a haunting aura of romance and memory about the Lilacs that make them almost enchanted things. They are a necessary part of every planting.

Syringa chinensis. *Chinese Lilac.* (M) This variety grows about 12 feet high and resembles the Persian lilacs in its large, open heads of violet-blue flowers which appear in June. One of the finest. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., 90 cts. each, \$8 for 10.

S. josikæa. *Hungarian Lilac.* (L) A sturdy, vigorous shrub with tree-like growth, dark, shining leaves, and bluish purple flowers in June. It is especially valuable for its late bloom which prolongs the Lilac season. 4 to 5 ft., \$1.50 each, \$13.50 for 10; 3 to 4 ft., \$1 each, \$9 for 10.

S. persica. *Persian Lilac.* (M) One of the famous Lilacs with arching branches and very fragrant, pale purple flowers in rather loose, broad panicles, opening late in the spring. 4 to 5 ft., \$1.50 each, \$13.50 for 10; 3 to 4 ft., \$1 each, \$9 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

SYRINGA, continued

S. persica alba. *White Persian Lilac.* Like the usual form except that its exquisite flowers are creamy white. 2 to 3 ft., \$1 each, \$9 for 10.

S. villosa. *Late Lilac.* (L) A stout-branched shrub with bright green foliage like that of the white fringe tree. The flowers, which are borne in panicles, are light purple in bud, rosy white when open, and very fragrant. Valuable for late blooming. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., 90 cts. each, \$8 for 10.

†**S. vulgaris.** *Common Lilac.* (L) The best known of all Lilacs. It is a strong, vigorous, upright shrub, with rich, dark green foliage and large clusters of very fragrant purplish flowers in May. A desirable plant for a flowering hedge or large masses. 4 to 5 ft., \$1.75 each, \$16 for 10; 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., \$1 each, \$9 for 10.

†**S. vulgaris alba.** *Common White Lilac.* (L) Similar to *S. vulgaris*, with white flowers a week earlier than those of any other variety. Is also desirable for a flowering hedge or bold clump. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., \$1 each, \$9 for 10.

Hybrid Lilacs

To those of us who were for a long time familiar with only the white and purple kinds of old door-yards, the hybrid double and improved varieties seem too splendid to be true. Unlike the old sorts, they bloom when very small plants and can be kept in fairly limited space so it is a very tiny garden indeed that cannot find room for a really representative collection of these splendid Lilacs.

Alphonse Lavallee. Double pale bluish lilac flowers. 3 to 4 ft., \$2 each; 2 to 3 ft., \$1.50 each; 18 to 24 in., \$1.25 each.

Charles Joly. Double dark purplish red flowers. One of the darkest and handsomest. 2 to 3 ft., \$1.50 each; 18 to 24 in., \$1.25 each.

Charles X. Magnificent clusters of single, dark reddish purple flowers. Leaves large and shining. 3 to 4 ft., \$1.75 each; 2 to 3 ft., \$1.50 each.

Claude Bernard. Large, double bright lilac-mauve flowers in full trusses. 2 to 3 ft., \$1.75 each.

Hugo Koster. Handsome pyramidal clusters of large, single, pure lilac-colored flowers. A new variety. 2 to 3 ft., \$1.50 each; 18 to 24 in., \$1.25 each.

Jean Mace. Broad, compact panicles of irregular, double flowers of bluish mauve. Early and very floriferous. 18 to 24 in., \$2.50 each.

Ludwig Spaeth. Very attractive, dark red, single flowers. One of the very brightest of the dark varieties. 3 to 4 ft., \$1.75 each; 2 to 3 ft., \$1.50 each.

Marechal Lannes. Beautiful trusses of pale violet, double flowers. 18 to 24 in., \$2.50 each.

Marie Legraye. A very fine single-flowering white Lilac, perhaps the most popular of its color. 3 to 4 ft., \$2 each; 2 to 3 ft., \$1.50 each.

Michel Buchner. Dwarf-growing, with very double, large, pale lilac flowers. 3 to 4 ft., \$1.75 each; 2 to 3 ft., \$1.50 each.

Mme. Casimir Perier. Double, cream-white flowers. 3 to 4 ft., \$1.75 each; 2 to 3 ft., \$1.50 each.

Mme. Lemoine. Large double, white flowers in immense clusters. 3 to 4 ft., \$1.75 each; 2 to 3 ft., \$1.25 each.

Mrs. Edward Harding. Giant, full trusses of large, double bright carmine flowers. 18 to 24 in., \$5 each.

Pascal. Single, pure lilac-colored flowers, borne in great profusion. 2 to 3 ft., \$1.50 each.

President Grey. Fine double variety, with large panicles of beautiful pale blue flowers. 3 to 4 ft., \$1.75 each; 2 to 3 ft., \$1.50 each.

Reaumur. Dark carmine, single flowers in splendid trusses. 18 to 24 in., \$2.50 each.



HYBRID LILACS, continued

Red Marly. Flowers single, rich rosy purple. An exceedingly free bloomer. 3 to 4 ft., \$2 each; 2 to 3 ft., \$1.50 each, \$14 for 10.

Vauban. Regular, double flowers. 2 to 3 ft., \$1.50 each.

Vestale. Giant trusses of single, pure white, hyacinth-like flowers of perfect shape. Very beautiful. 2 to 3 ft., \$1.50 each; 18 to 24 in., \$1.25 each.

Standard Hybrid Lilacs

Tree Form

4 to 5 ft., \$3 each, except as noted

Charles X. Single; dark reddish purple. See page 31.

Hugo Koster. Single; pure lilac. See page 31.

Jan Van Tol. Single; pure white; choice variety. \$3.50 each.

Ludwig Spaeth. Single; dark red. See page 31.

Marie Legraye. Single; white. See page 31.

Michel Buchner. Double, pale lilac. See page 31.

Mme. Lemoine. Double; white. See page 31.

President Grevy. Double; pale blue. See page 31.

TAMARIX • Tamarix

Tamarix africana. *African Tamarix.* (L) An ornamental shrub of graceful appearance, with light, feathery foliage and long, slender racemes of pinkish flowers in early summer. Forms a striking picture planted at the edge of an evergreen border. 3 to 4 ft., 75 cts. each, \$5 for 10.

T. gallica. *French Tamarix.* A shrub or small tree similar to the preceding, with duller, bluish foliage and white or pinkish white flowers. Useful for contrast. 3 to 4 ft., 75 cts. each, \$6 for 10.

VACCINIUM • Blueberry

†**Vaccinium corymbosum.** *Highbush Blueberry.*

A handsome shrub 4 to 12 feet high, much valued for its large, blue-black berries of excellent flavor but favored perhaps even more for its brilliant colored fall foliage which gives a distinct naturalistic effect. The plants we offer are stocky. 3 to 4 ft., \$2 each, \$18 for 10; 2 to 3 ft., \$1.25 each, \$11 for 10.

VIBURNUM

Here is a group of tremendously important shrubs embracing great variety, from the old-time beauty of the Snowball to the fascinating delicacy of the lace-like *Viburnum tomentosum*, which some think has the loveliest flower of any shrub or tree. Most of them are prolific bloomers, do well in semi-shade, and follow their flowers with a profusion of handsome fruits of varying colors. This is a group that no one interested in shrubs, and especially native shrubs, can afford to overlook.

Viburnum acerifolium. *Mapleleaf Viburnum.* A good shrub for dry soil under trees. Flowers yellowish; foliage interesting and maple-like; fruits blackish. This is the Dockmackie of northeastern North America whose foliage is so handsome in late autumn. 2 to 3 ft., \$1 each, \$9 for 10.

V. americanum. *American Cranberry Bush.* This very decorative native shrub is of open habit, with attractive flowers and bunches of berries which begin to turn red in July, remaining on the plant until the following spring. 3 to 4 ft., \$1 each, \$8.50 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.



Spiraea trichocarpa. Korean Spirea. See page 31.



1. Charles X

2. Marie Legraye

3. Souv. de Ludwig Spaeth

VIBURNUM, continued

V. carlesi. *Fragrant Viburnum.* (L) A low, round bush of rather stubby growth, which, in spring, bears charming clusters of pale rosy white flowers of the most delicious fragrance. Rare, and much prized. 2 to 2½ ft., \$4 each; 18 to 24 in., \$3 each, \$27 for 10; 12 to 18 in., \$2 each, \$18 for 10.

†**V. cassinoides.** *Witbe-rod.* (M) Slender upright-growing, well furnished with dull green foliage. It has creamy white flowers in June, followed by clusters of dark blue fruit in autumn. Fine for waterside planting or shrub borders, and makes a desirable tall narrow hedge. 4 to 5 ft., \$2 each, \$18 for 10; 3 to 4 ft., \$1.25 each, \$10 for 10; 2 to 3 ft., 90 cts. each, \$7.50 for 10.

†**V. dentatum.** *Arrow-wood.* (L) A very handsome, native shrub with glossy green foliage, and white flowers in June, followed by crimson berries which turn blue in autumn. Like the other Viburnums, this variety will flourish in partial shade and likes a moist soil. 4 to 5 ft., \$1.25 each, \$10 for 10; 3 to 4 ft., 90 cts. each, \$7.50 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

V. lantana. *Wayfaring Tree.* (L) Of robust growth, having large foliage which is silvery underneath. It produces clusters of white flowers in May followed by red fruit, turning black in autumn. Especially good on dry, limestone soils. 3 to 4 ft., \$1 each, \$8 for 10; 2 to 3 ft., 75 cts. each, \$6 for 10.

VIBURNUM, continued

†**V. lentago.** *Nannyberry.* (L) A vigorous shrub which may become a small tree. It has creamy white, very fragrant flowers, light glossy green foliage, and bluish black fruit. 5 to 6 ft., \$1.25 each, \$10 for 10; 4 to 5 ft., \$1 each, \$8 for 10; 3 to 4 ft., 75 cts. each, \$6.50 for 10.

V. molle. *Kentucky Viburnum.* (M) While this is a native shrub, it is quite rare and is seldom seen. It resembles *V. dentatum*, but has broader, darker foliage, larger fruits, and is a splendid novelty in the shrub border. 4 to 5 ft., \$1 each, \$9 for 10; 3 to 4 ft., 75 cts. each, \$6.50 for 10.

†**V. opulus.** *European Cranberry Bush.* (L) One of the best shrubs for general planting. It has white flowers in panicles and red berries, resembling cranberries, which remain until early winter. The foliage is large and healthy, seldom attacked by insects. 3 to 4 ft., \$1 each, \$9 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

V. opulus nanum. *Dwarf Cranberry Bush.* A dwarf variety of the foregoing, compact and small-leaved. It rarely flowers. 12 to 18 in., 90 cts. each, \$8 for 10.

V. opulus sterile. *Common Snowball.* (L) A well-known, large shrub, producing large, snowball-like flowers in May. 4 to 5 ft., \$1.25 each, \$10 for 10; 3 to 4 ft., very heavy, \$1 each, \$8.50 for 10.



VIBURNUM, continued

- V. sieboldi.** *Siebold's Viburnum.* (M) This vigorous-growing plant has unusually large, rich green foliage, and white flowers in clusters. 3 to 4 ft., \$1.25 each; 2 to 3 ft., \$1 each, \$9 for 10.
- V. tomentosum.** *Double-file Viburnum.* (M) Foliage resembles the Japanese Snowball, and the flowers are white, in flat racemes, and borne in great profusion, followed by red berries changing to bluish black. Beyond question the most beautiful of all Viburnums, and possibly of all shrubs. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft. \$1 each, \$8 for 10.
- V. tomentosum plicatum.** *Japanese Snowball.* (M) It has handsome leaves and globular heads of pure white flowers in June. Better than the common Snowball in foliage and flower. 3 to 4 ft., \$1.25 each, \$11 for 10; 2 to 3 ft., \$1 each, \$8 for 10.

WEIGELA

The flowers of the Weigelas have a certain resemblance to those of the wild azaleas and, like them, have been confused with honeysuckles. These pretty shrubs bloom for a long time and in reckless profusion. They are valuable for hard-luck situations, and furnish generous variety to any shrub border.

Weigela floribunda. *Crimson Weigela.* A rather well-known and popular leafy shrub with an abundance of tubular crimson flowers. 4 to 5 ft., 90 cts. each, \$7.50 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$5.50 for 10.

W. rosea. *Pink Weigela.* A very free-flowering shrub somewhat similar to the preceding with bright pink flowers which are considerably larger. 3 to 4 ft., 75 cts. each, \$6 for 10; 2 to 3 ft., 60 cts. each, \$5 for 10.

W. rosea nana variegata. *Variegated Weigela.* A dwarfish sort with white-margined leaves and almost pure white flowers. 2 to 3 ft., 75 cts. each, \$6 for 10; 18 to 24 in., 60 cts. each, \$4.50 for 10.

Hybrid Varieties of Weigela

Candida. *Snow Weigela.* A fine white variety with unusually large and attractive flowers. Very pretty for cutting. 4 to 5 ft., 75 cts. each, \$6 for 10; 3 to 4 ft., 60 cts. each, \$5 for 10.

Desboisi. An excellent dark crimson sort with rather small but profuse flowers. 4 to 5 ft., 90 cts. each, \$7.50 for 10; 3 to 4 ft., 75 cts. each, \$6 for 10.

Eva Rathke. Perhaps the most showy of all, with dark brownish red flowers, brightened by a light center. Very profusely flowering. A well-known variety that has been popular for a long time. 3 to 4 ft., 90 cts. each, \$7.50 for 10; 2 to 3 ft., 75 cts. each, \$6.50 for 10.

Hendersoni. *Henderson Weigela.* A handsome variety with bright, light crimson flowers. Very attractive. 3 to 4 ft. 60 cts. each, \$5.50 for 10; 2 to 3 ft., 50 cts. each, \$4.50 for 10.

ZANTHORHIZA

Zanthorhiza apiifolia. *Yellow-Root.* (D) Native shrub of low, slender growth, bearing cloudy sprays of plum-colored flowers, like tiny black stars, in April. Valuable for its foliage and dwarf habit, and much used for ground-cover. Very hardy and desirable. In autumn the foliage is gorgeous golden yellow. 15 to 18 in., 50 cts. each, \$4.50 for 10; 12 to 15 in., 40 cts. each, \$3.60 for 10.

ZENOBIA

Zenobia pulverulenta. *Dusty Zenobia.* An arching shrub with oval leaves covered with a dusty bloom and clusters of tiny white flowers like lilies-of-the-valley. This very showy and handsome plant is distinctly unusual, and should have a place in every planting of any size. 2 to 3 ft., \$1.50 each, \$14 for 10.



Viburnum tomentosum. Double-file Viburnum

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A Group of Hardy Azaleas

All plants are balled and burlapped at prices named

1 Azalea arborescens. Sweet Azalea . . .	2 to 2½ ft., \$3.50	18 to 24 in., \$3.00
1 Azalea calendulacea. Flame Azalea . . .	2 to 2½ ft., 3.50	18 to 24 in., 3.00
1 Azalea canescens . . .	2 to 3 ft., 3.50	18 to 24 in., 2.75
1 Azalea kaempferi. Torch Azalea . . .	18 to 24 in., 4.75	15 to 18 in., 4.00
1 Azalea mollis. Chinese Azalea . . .	18 to 24 in., 4.50	15 to 18 in., 3.50
1 Azalea, Louisa Hunnewell . . .	15 to 18 in., 4.50	12 to 15 in., 3.00
1 Azalea mucronulatum. Mongolian Azalea . . .	15 to 18 in., 4.00	15 to 18 in., 4.00
1 Azalea vaseyi. Pinkshell Azalea . . .	18 to 24 in., 4.50	15 to 18 in., 3.00
8 Hardy Azaleas in variety . . .	Large size, \$32.75	Small size, \$26.25

All prices are f.o.b. North Abington, Mass.

A Group of Flowering Crab-Apples

Japanese Flowering Crab (<i>Malus floribunda</i>) . . .	4 to 5 ft., \$3.00	3 to 4 ft., \$2.00
Bechtel Crab (<i>Malus ioensis plena</i>) . . .	4 to 5 ft., 2.50	3 to 4 ft., 2.00
Chinese Flowering Crab (<i>Malus spectabilis</i>) . . .	4 to 5 ft., 2.50	3 to 4 ft., 2.00
Tea Crab (<i>Malus theifera</i>) . . .	3 to 4 ft., 3.50	2 to 3 ft., 2.00
Crimson Crab (<i>Malus atrosanguinea</i>) . . .	4 to 5 ft., 2.50	3 to 4 ft., 2.00
5 Flowering Crab-Apples in variety . . .	Large size, \$14.00	Small size, \$10.00



ROSES

NO ONE needs an introduction to Roses. Everybody who has a few square feet of ground would like to have them—and can have them. We have chosen varieties carefully to insure a good start. The soil should be prepared as for a good crop of vegetables, and be kept thoroughly cultivated about the Roses all season. They should be fed liberally with liquid manure made from fresh cow manure or from the commercial dried sheep manure, and should be dusted with sulphur and arsenate of lead regularly to keep off pests. Cut the flowers freely with long stems, and hill up the plants with earth at the approach of winter, covering the tops with leaves or evergreen boughs when the ground is frozen.

These simple methods will insure a bountiful crop of supreme flowers, and we urge all our friends to give Roses a chance to show what they can do.

A special illustrated leaflet telling "How Roses Should be Planted" will be sent on request and a copy will be enclosed with each shipment of Roses

HYBRID TEAS

These are the dwarf everblooming Roses which produce the beautiful, long-stemmed flowers everyone so much admires. They should be planted about 15 inches apart in rather narrow beds and in lots of not less than three, and preferably a half-dozen or more, of one kind.

Our Hybrid Teas are 2-year-old, field-grown, budded plants, thoroughly dormant for early spring planting. Price \$1 each; 5 or more of one kind, 90 cts. each, except as noted. We will furnish 10 or more in varieties of our own selection at 90 cts. each.

Betty Upchurch. One of the most vigorous and dependable decorative bedding Roses. Flowers semi-double, brilliant copper and salmon, very freely produced. Unusually good.

Columbia. Beautifully formed flowers of firm texture, with stiff, curled petals, opening pink, darkening to glowing rose as they age. Stems long and strong and almost thornless.

Dame Edith Helen. Very large, beautifully shaped, extremely double flowers of pure, light pink; very fragrant, and long lasting. Regarded as the handsomest of the very new varieties. \$1.50 each.

Duchess of Wellington. Particularly admired for its gigantic, long, richly tinted buds of apricot and yellow. The flowers are very large, not fully double when open, and much lighter in color.

Edel. A noble, perfectly shaped, white Rose of great size and substance. Very handsome, both as a bud and open flower.

HYBRID TEA ROSES, continued

Etoile de Hollande. Glowing scarlet-crimson, fragrant, and free-flowering. Generally considered the best dark red bedding Rose for the amateur's garden. \$1.50 each.

General MacArthur. Long known as the best red Rose for the garden. Bright, pure color, and one of the most floriferous.

Golden Ophelia. A dark yellow variation of the popular Ophelia.

Gruss an Teplitz. This is different from other Hybrid Teas in its tall, bushy growth, and rather small, nodding flowers in clusters. It is, beyond question, the best outdoor decorative red Rose in existence, but should be planted in masses by itself or in a border around the Hybrid Tea garden proper.

Independence Day. A brilliant orange-yellow Rose with striking flame-color tints, borne very freely on low, branching plants which look best in big masses. The buds are almost unbeatable, but the open flowers are not as double as some.

Kaiserin Auguste Viktoria. This has long been known as the most beautiful white Rose in the world. The bush does not grow very strong, but it is worth having for its unsurpassed beauty of form and color.

Killarney Queen. The Killarney Roses have always been popular and this is the best of the bright pink ones. The buds are splendid.

Killarney White. Typical of the Killarney type, but the big-petaled blooms are snowy white. A very fine white Rose.

Lady Alice Stanley. One of the most handsome and easily grown of the very fine pink Roses. A general favorite with beginner and expert alike.



HYBRID TEA ROSES, continued

Lieutenant Chaure. Cup-shaped flowers of bright, shining crimson. Very free flowering and dependable.

Los Angeles. A flame-pink Rose of unusual beauty and delicious fragrance. The plants are not always reliable, but they are decidedly worth growing for the extraordinary beauty of the flower.

Miss Willmott. Very large flowers of glistening white, daintily tipped with fawn and pink. Without doubt the best white Rose for the garden. It has better flowers than Mme. Jules Bouché and is not so embarrassingly vigorous as Frau Karl Druschki.

Mme. Butterfly. An exquisite Rose of firm texture and perfect form, shaded with pale-pink, cream, and gold. It is universally acclaimed as a close approach to the ideal garden Rose.

Mme. Edouard Herriot. The blazing copper-red bloom is of almost violent intensity, paling as it opens to soft shrimp-pink. One of the finest Roses.

Mrs. Aaron Ward. This is a charming little Rose of unusual form, opening rich, golden fawn, paling as it ages to cream, very pale pink, and white. The low, spreading bush has splendid foliage.

Mrs. Beckwith. Pure yellow flowers of good size and texture, a little darker than Souvenir de Claudius Pernet and has a better center; does not fade in sunlight.

Mrs. William C. Egan. Exquisite, long-pointed buds of delicate rosy white and pale pink. The flowers are very large and star-like. A strong grower and free flowering. Very fine.

Ophelia. Very similar to Mme. Butterfly, but a shade or two lighter. We like to call it pearly white, because of the beautiful iridescent shades of faint pink, gold, and lilac which play over its waxy petals.

Padre. Brilliant copper-red, almost single flowers, borne on tall, slender stems. Plant the bushes closely together in masses. It makes a stunning show.

Pharisaer. A fine, large, ruffled flower of light pink with a richly toned center. A tall grower and a profuse bloomer.

Radiance. This is generally considered the best all-round Rose for the beginner. The plants are very strong and they bloom with the greatest freedom, producing big, round flowers of sparkling pink all summer and fall.

Red Radiance. Very much like Radiance in every respect, except that the flowers are bright, light red instead of pink. Some say it grows even better.

Souvenir de Claudius Pernet. This is the best pure yellow Rose for the garden. The plants grow stiffly erect, with shining leaves, and bright, unfading yellow flowers. They are best in the bud and before they are fully open.

Talisman. A gorgeous novelty of 1929. Golden yellow buds and flowers splashed and shaded with vivid scarlet-crimson. Blooms continuously outdoors and the plant is both vigorous and healthy. Rare and very fine. \$2.50 each.

Wilhelm Kordes. Very showy; salmon and flaming orange shades mingle in the lovely, firm, curled petals. Best in cooler weather but very changeable and lovely at all times. \$1.50 each.

William R. Smith. A low, wide-spreading bush bearing large, beautifully pointed white flowers delicately tinted with pale pink and cream. Very fine.

Willowmere. Soft, golden pink, with luminous lights all through its shell-like petals. The buds are very large, exquisitely curled, and the open flowers are magnificent. The bush is very strong and blooms twice as much as most Roses.

HYBRID RUGOSA ROSES

Our Hybrid Rugosa Roses are \$1 each, or 5 or more of one kind at 90 cts. each, except as noted

Blanc Double de Coubert. An excellent, vigorous variety with pure white, semi-double, fragrant flowers.

Conrad Ferdinand Meyer. Very strong, sturdy growth, often reaching 10 to 12 feet. Flowers large, very beautifully formed, and clear light silvery pink.

HYBRID RUGOSA ROSES, continued

Dr. E. M. Mills. A shrub Rose descended from *R. bugonis*. Blooms very early. Flowers semi-double, primrose-yellow, lightly tinted pink. Bushy, very hardy, vigorous plants about 3 feet high, with healthy, persistent foliage.

F. J. Grootendorst. A perfectly hardy ever-blooming shrub Rose suitable for hedges, specimens or border planting. The plant is similar to the vigorous Rugosas in growth, with large, glossy foliage which is seldom attacked by insects or disease. The flowers are small, bright red, fringed like little carnations, and are borne unceasingly from early summer until late autumn in large clusters. We consider it one of the most valuable introductions of recent years.

Pink Grootendorst. A charming, bright shell-pink variation of the scarlet F. J. Grootendorst, like it in all other respects and equally valuable. \$1.50 each.

Sarah Van Fleet. A bold, handsome plant of very vigorous growth, with large, semi-double, intensely fragrant flowers of pure pink—the clearest shade of this color in the family.

Sir Thomas Lipton. Tough, hardy shrub, reaching large size and producing very fine, pure white flowers in great abundance. A fine, almost everblooming variety.



Mary
Wallace



POLYANTHAS

The name means "many-flowered." They bear small flowers in big clusters steadily throughout the summer and make dwarf bushy plants suitable for edging beds of Hybrid Perpetuals, paths, fountains, pools, or shrubbery borders. Undoubtedly the most continuous blooming type of Roses.

Our Polyantha Roses are \$1 each, or 5 or more of one kind at 90 cts. each

Baby Rambler. Its big clusters of light, purplish crimson flowers are borne in the greatest profusion throughout the summer. Very good.

Katharina Zeimet. White *Baby Rambler*. Tiny, very double, snowy white, button-like flowers in tremendous clusters.

Chatillon Rose. Brilliant pink, semi-double flowers in giant clusters very freely produced. This variety has a liveliness of color and a persistency in blooming unsurpassed by any other sort.

Ideal. The best dark red Polyantha. Flowers are in large clusters, freely produced. Dwarfier than most.

La Marne. A very beautiful single variety with great clusters of soft pink flowers with lighter edges and golden centers. Excellent for edging and dwarf hedges.

HYBRID PERPETUALS

These Roses are bigger, stronger, and hardier than the Hybrid Teas. They are essentially cold-country Roses, and delight in cool weather in spring and summer. Their magnificent blooms are produced in early summer and again in late fall, surpassing all other Roses in brilliance of color and in fragrance.

Feed them heavily and protect them somewhat from the most severe winters.

All Hybrid Perpetual Roses are \$1 each, or 5 or more of one kind at 90 cts. each

Frau Karl Druschki. The best white Rose for the garden. Buds are pinkish, but the delightfully shaped flowers are pure, snowy white. The plant grows very large and blooms continuously like a Hybrid Tea. Its flowers have no scent.

General Jacqueminot. This is the old-fashioned, rich, sparkling red Rose of fragrant memory. It is still one of the best red varieties, and should be in every garden.

Harison's Yellow. This is not a Hybrid Perpetual, but a big, bushy, briar Rose, common in old-time gardens, where it blooms in great billows of bright yellow very early in the season. Undoubtedly the finest hardy yellow Rose there is, and it should be freely planted for specimens, borders, and hedges.

Mrs. John Laing. Very symmetrical, smooth flowers of soft, glowing pink, deliciously sweet. It blooms very dependably from early summer until late fall and is always one of the loveliest things in the garden.

Paul Neyron. A big, handsome flower of light purplish pink, sweetly fragrant, and very persistent in blooming. This is the Rose most people mean when they say American Beauty.

Ulrich Brunner. Bright, sparkling crimson flowers of cup-like form, and richly fragrant. The bush is particularly strong and blooms most profusely in early summer.

CLIMBING ROSES

Perhaps there is no one group of plants which are so useful and so beautiful in so many different ways as the Climbing Roses. They are suitable for all uses to which most climbers may be put, and surpass almost all of them in the massed splendor of

their flowers. They are delightful when trained over a stone wall or grouped to form a hedge-fence, when trained upon a rustic arbor, over a pergola, at the corners of a porch, or over a trellis about the windows of the house. They may adorn garden arches, gateways, fence-corners, or they may be tied to slim posts as pillars where they will make splendid spires of beauty throughout the garden. The range of color is almost limitless, and the flowers vary from tiny clustered rosettes to big blooms for cutting borne on fine long stems.

Strong 2-year, field-grown plants, 75 cts. each,
\$6 for 10, except where noted

American Pillar. A very lusty climber with bold, waxy foliage, bearing tremendous clusters of large, sparkling pink, single flowers with a round white eye and bright golden stamens.

Aviateur Bleriot. Beautiful twining growth with holly-like leaves and lemon buds which open to clusters of medium-sized, beautifully shaped, white flowers with pale yellow centers. \$1 each, \$9 for 10.

Climbing American Beauty. A moderate-growing pillar Rose which blooms very early, producing very large flowers of delightful shape and a rare shade of light purple-red unlike any other. The blooms are richly fragrant, and it is one of the most desirable varieties. 75 cts. each, \$6.50 for 10.

Crimson Rambler. A very showy, sparkling red climber which has been extensively planted over the country. The small flowers are borne in great clusters.

Dr. Huey. Dark, black-red, ruffled flowers of unusually large size for a cluster-flowered climber. Probably the finest of the dark red climbers. Very vigorous and hardy. \$1 each, \$9 for 10.

Dr. W. Van Fleet. A vigorous, shining-leaved climber which produces beautiful Roses of the Hybrid Tea type on long stems suitable for cutting. It blooms with the greatest profusion rather late in the season. The flowers are of the palest possible shade of pink, with a slightly darker center. Undoubtedly the most beautiful hardy climbing Rose introduced to date.

Dorothy Perkins. Immense clusters of tiny, exquisitely formed little Roses of rich shell-pink in varying shades of softness and intensity. One of the very best climbers in vigor and abundance of blooms.

Emily Gray. The most beautiful yellow climbing Rose, with large, golden tan and buff flowers of exquisite beauty. The plant needs protection in severe winters and exposed situation but is worth it. \$1 each, \$9 for 10.

Excelsa. Similar to Dorothy Perkins in all respects except the flowers are bright, light crimson.

Gardenia. A strong climber with beautiful foliage and rich yellow buds opening to creamy white flowers with soft yellow centers. One of the hardiest yellow climbers, which are mostly rather tender. 75 cts. each, \$6.50 for 10.

Hiawatha. A showy, brilliant red climber with immense trusses of vivid carmine single flowers with a white eye and a big bunch of yellow stamens. This is one of the brightest and most spectacular Roses grown.

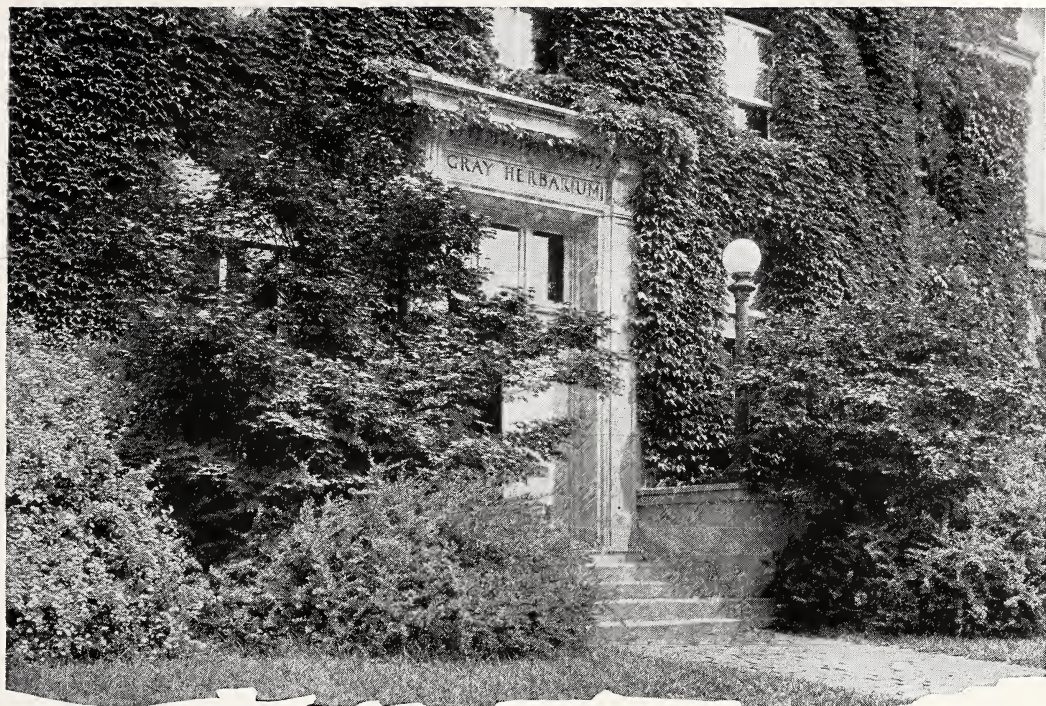
Mary Wallace. Another large-flowered climber of the type of Dr. W. Van Fleet, except that the blooms are brilliant pink with a yellow undertone and are borne in big clusters. It is a very fine new sort which is becoming very popular. \$1 each, \$9 for 10.

Paul's Scarlet Climber. Brilliant scarlet flowers of large size on a moderately growing plant suitable for tying to a post or pillar. Very showy.

Silver Moon. A very strong climber with beautiful waxy green foliage and very large, pure white, semi-double flowers with golden centers.

Tausendschon. A rapid climber with smooth, almost thornless stems and big clusters of large ruffled flowers of many different shades of pink.

White Dorothy. Snowy white double flowers in immense clusters. Plant very vigorous and easily trained.



Ampelopsis tricuspidata growing at the Harvard Botanic Garden

VINES AND CLIMBING PLANTS

VINES are the gardener's refuge in covering up mistakes and concealing ignorance in planning or constructing anything from a garage to a "spite fence." They also mitigate the harshness of Nature, throwing a mantle of beauty over dead trees, unsightly rocks, or rough banks, but they have a more definite, positive use, as well. They enhance the beauty of a wall of brick or stucco or stone and provide the only excuse for the lattice trellises and garden arbors which are so abundant in suburban areas. They are good-natured, sheltering, friendly plants and ought to be used generously wherever there is need for shade or comfort.

ACTINIDIA

***Actinidia arguta*.** *Bower Actinidia*. A strong-growing Japanese vine, with rather large, handsome leaves. White flowers with purple center and round, edible fruit of sweetish flavor. 4-yr., \$1.50 each, \$14 for 10; 3-yr., \$1.25 each, \$11 for 10; 2-yr., \$1 each, \$8.50 for 10.

AKEBIA

***Akebia quinata*.** *Five-leaved Akebia*. A very graceful and rapid-growing vine which is hardy and not attacked by insects. The foliage is fine and it bears rosy purple flowers in early summer, followed by ornamental fruit. 4-yr., \$1 each, \$8 for 10; 3-yr., 75 cts. each, \$6.50 for 10.

AMPELOPSIS

***Ampelopsis heterophylla*.** *Porcelain Ampelopsis*. Has deeply lobed leaves, striped with creamy white, and clusters of light blue, showy berries. Good for low trellis-work. 3-yr., 90 cts. each, \$7.50 for 10; 2-yr., 75 cts. each, \$6.50 for 10.

***A. quinquefolia*.** *Virginia Creeper*. A vigorous, high-climbing vine of rapid growth, with rich crimson foliage in autumn. Valuable for covering walls or old tree trunks. 3-yr., 60 cts. each, \$4.50 for 10; 2-yr., 50 cts. each, \$3.50 for 10.

***A. quinquefolia engelmanni*.** *Engelmann Creeper*. Quite similar to the preceding variety but has smaller and neater foliage, which adapts it to less rustic effects. It is also a better climber, sticking closer to walls and other supports than *Virginia Creeper*. 3-yr., 60 cts. each, \$4.50 for 10.

AMPELOPSIS, continued

***A. tricuspidata*.** *Japanese Creeper*; *Boston Ivy*. A very useful climber, clinging firmly and covering walls, rocks, and stumps densely. The glossy foliage stands smoke and dust well and turns to a brilliant orange and scarlet in the fall. The best substitute for *English Ivy*. From 4-in. pots, 75 cts. each, \$7 for 10; from 3-in. pots, 60 cts. each, \$5.50 for 10.

***A. tricuspidata robusta*.** Similar to above, but a stronger grower, with rich, dark foliage. 3-yr. field-grown, 90 cts. each, \$7.50 for 10.

ARISTOLOCHIA

***Aristolochia siphon*.** *Dutchman's Pipe*. This very vigorous vine is excellent for porches, its immense leaves providing a cool, dark shade. The purple flowers are of most curious, and interesting pipe-like form. 5-yr., \$1.75 each, \$15 for 10; 4-yr., \$1.50 each, \$14 for 10; 3-yr., \$1.25 each, \$11 for 10.

***A. tomentosa*.** *Southern Dutchman's Pipe*. A native species of climbing habit and rapid growth. Good green foliage a little smaller than the preceding variety and the numerous, pipe-shaped flowers are yellow. 3-yr., \$1 each, \$8.50 for 10.

BIGNONIA

***Bignonia radicans*.** *Trumpet Creeper*. A hardy, high-climbing plant, with large, trumpet-shaped flowers of glowing orange-red in August. 4-yr., 60 cts. each, \$5 for 10; 3-yr., 50 cts. each, \$4.50 for 10.

BOSTON IVY

See *Ampelopsis tricuspidata*



CELASTRUS

Celastrus orbiculatus. *Oriental Bittersweet.* Ordinarily this plant assumes a shrub-like form, but if given an opportunity will make a tall and vigorous climber. It has bright green leaves and crimson fruit which is handsome in fall and winter. 5-yr., \$1 each, \$8 for 10; 4-yr., 90 cts. each, \$7.50 for 10.

C. scandens. *American Bittersweet.* A native climber, with glossy leaves which turn bright yellow in autumn, and big clusters of orange and crimson fruit. 4-yr., 90 cts. each, \$7.50 for 10; 3-yr., 75 cts. each, \$6 for 10.

CLEMATIS

Clematis paniculata. *Sweet Autumn Clematis.* By far the best of the fall-blooming species. It thrives best in sunny situations, and will stand severe pruning in winter. A luxuriant grower and profuse bloomer with fine foliage. The flowers are medium-sized, pure white, very fragrant, and are borne in great profusion. 4-yr., 75 cts. each, \$6 for 10; 3-yr., 60 cts. each, \$5 for 10; 2-yr., 50 cts. each, \$4 for 10.

C. texensis. *Scarlet Clematis.* A pretty sort, with a profusion of bell-shaped, brilliant scarlet flowers which make a showy display. Foliage light green. 2-yr., 60 cts. each, \$5.50 for 10.

C. virginiana. *Virgin's Bower.* This rapid-growing native sort produces clouds of white flowers in August, followed by feathery seeds which are decorative in winter. 3-yr., 50 cts. each, \$3.50 for 10.

Hybrid Large-Flowering Clematis

Clematis henryi. A robust, free-blooming plant with creamy white, large, handsome flowers.

C. jackmani. Flowers broad, velvety purple, with ribbed bar down the center. Very popular.

C. Duchess of Edinburgh. Very lovely, pure white double flowers; showy and lasting.

C. Mme. Edouard Andre. Large crimson flowers. Persistent bloomer.

C. Mme. Baron Veillard. A very attractive variety with flowers of a unique shade of soft pink.

C. Ramona. One of the prettiest of the Clematises with dainty light blue flowers.

C. viticella. *Italian Clematis.* One of the parents of the large-flowered hybrid Clematis, with bluish purple flowers. 8 to 12 feet high. 40 cts. each, \$3.50 for 10.

Any of the above, except where noted, 2-yr. heavy plants, from 6-in. pots, \$1.50 each, \$12.50 for 10

HYDRANGEA

Hydrangea petiolaris. *Climbing Hydrangea.* A very beautiful, rather rare variety of Climbing Hydrangea, with overlapping, mosaic-like leaves, and round flat clusters of white flowers. Delightful on a stone wall, and will grow to great height. Plants from 3-in. pots, 75 cts. each, \$7 for 10.

LONICERA

Lonicera flava. *Yellow Honeysuckle.* A delicate vine growing 10 feet or more with bright yellow or orange-yellow flowers. 3-yr., 50 cts. each, \$4 for 10.

L. japonica. *Japanese Honeysuckle.* Very fragrant, yellow and cream color flowers. Foliage dark green, almost an evergreen. 4-yr., 55 cts. each, \$4.50 for 10.

L. japonica aureo-reticulata. *Yellow-net Japanese Honeysuckle.* Leaves variegated gold and green. 4-yr., 50 cts. each, \$4.50 for 10.

L. japonica halliana. *Hall Japanese Honeysuckle.* A vigorous grower with fragrant yellow and white flowers from midsummer until frost. This makes a good ground-cover. 4-yr., 60 cts. each, \$4.50 for 10; 3-yr., 50 cts. each, \$4 for 10.

L. periclymenum belgica. *Dutch Woodbine.* A low climber with very fragrant flowers, pale purple outside, from June till September. 1½ to 2 ft., 75 cts. each, \$6.50 for 10.

L. sempervirens. *Trumpet Honeysuckle.* One of the best varieties. Its deep crimson flowers are borne profusely in bunches at intervals throughout the summer followed by scarlet berries. 4-yr., 60 cts. each, \$4.50 for 10; 3-yr., 50 cts. each, \$3.50 for 10.

LYCIUM

Lycium chinense. *Chinese Matrimony Vine.* A vigorous climber, branching freely, and covered with bright purple, star-shaped flowers, which are succeeded by brilliant scarlet berries almost an inch long. 3-yr., 50 cts. each, \$4 for 10.

POLYGONUM

Polygonum auberti. *Chinese Fleece Vine.* A tall-growing, hardy vine, with bronzy young leaves which turn green. The white flowers are borne abundantly in feathery sprays. Very quick-growing and desirable. 2-yr. plants from 6-in. pots, \$1.75 each, \$15 for 10.

PUERARIA

Pueraria thunbergiana. *Kudzu Bean.* A most worthy ornamental vine. It is a very rapid grower, bearing rosy purple, pea-shaped flowers in August. 2-yr., 50 cts. each, \$3.50 for 10.

TECOMA RADICANS. See BIGNONIA

VITIS

Vitis æstivalis. *Summer Grape.* A tall climber with large foliage and small, black, tough-skinned berries. 2-yr., 75 cts. each, \$6 for 10.

V. cordifolia. *Frost Grape.* A very vigorous Wild Grape, attaining majestic size with age and providing abundance of foliage for shade. The fruit is black and very good after it has been frosted. 2-yr., 75 cts. each, \$6.50 for 10.

V. heterophylla. See *Ampelopsis heterophylla.*

V. labrusca. *Fox Grape.* A strong native vine thought to be the ancestor of most of our finest American Grapes. Especially suited for naturalizing in thickets and wooded corners. 2-yr., 75 cts. each, \$6.50 for 10.

WISTERIA

Wisteria frutescens magnifica. *Yellow-eye Wisteria.* Resembles *W. frutescens*, but produces larger and denser clusters of lilac-colored flowers with yellow spots. 3-yr., 90 cts. each, \$7.50 for 10.

W. sinensis. *Chinese Wisteria.* Hardy, fast, tall-growing climber, with pale green, compound foliage and long clusters of purplish pea-shaped flowers in May. 5-yr., \$1.25 each, \$10 for 10; 4-yr., \$1 each, \$8 for 10; 3-yr., 75 cts. each, \$6 for 10. 3-yr. plants, grown from cuttings from a blooming plant and sure to bloom, \$1.50 each.

W. sinensis alba. *White Chinese Wisteria.* A white-flowered variety of the preceding. 4-yr., \$1 each, \$8 for 10; 3-yr., grafted plants, \$1.50 each, \$13.50 for 10.



Polygonum auberti. Chinese Fleece Vine



HARDY PERENNIALS

No experienced flower-lover needs be told about the importance of Hardy Perennials in successful gardens. Beginners should understand that these plants are long-lived, growing larger and finer from year to year, and if the soil is well and deeply prepared for them at the start, they need not be reset for several seasons. They comprise most of the showiest and the strongest-growing flowers, and must form the foundation of any garden.

They exist in infinite variety, ranging in size from the tiniest edging material to tall, robust plants suitable for massing as a background, and in color through all the shades of the rainbow and a lot more.

A garden wholly of perennials is possible, and it is a delightful game to plan its arrangement so that one variety may succeed another in bloom, and provide a season-long procession of different flowers, in ever-varying forms and colors.

For best effect it is essential to plant in clumps, masses, or drifts of one kind. Such masses should be large enough to do justice to the flowers. The bigger the plants grow, naturally, the fewer are required to make a proper display. Generally, however, at least five or six are required, even of the largest kinds, and the smaller sorts should be planted by the dozen or even hundred.

We have grown Perennials successfully for a number of years, and our acreage has been extended from year to year to supply the increasing demand for them.

We add new and choice sorts every year, and our stock includes an unusually large variety. In our descriptions we have indicated the height each plant attains and the months when the flowers appear.

About Prices. We do not sell one plant of a kind, except Astilbes, Irises, and Peonies. Our price is based on 3 of one kind. Too many people try to make gardens by using only one plant of a variety, a procedure bound to lead to disappointment. Three plants at least and, better still, five or ten of a kind, are almost always necessary to do justice to a variety or to produce the mass and color effect desired.

Except where otherwise indicated, the price of all Hardy Perennials listed is 90 cts. for 3, \$2.40 for 10, \$18 per 100

Five or more plants of one kind will be sold at the 10 rate and 25 or more of one kind at the 100 rate when it is given. Ten plants of different kinds, such as 10 different varieties of Asters, will not be sold at the 10 rate. The lower rate applies only when five or more plants of one variety are ordered.

By consulting the following list, one can plant a garden or border which will produce a succession of bloom from early spring until late in the autumn. Almost all our plants are strong, field-grown sorts, except a few species which transplant better if they are grown in pots.

Those marked with an asterisk (*) are particularly adapted to the rock garden



Aconitum

ACANTHUS

Acanthus mollis latifolius. Broadleaf Acanthus. 4 ft. July and August. Purple flowers in loose spikes high above the ornamental foliage. Good in the border or rock garden. \$1.20 for 3, \$3.50 for 10, \$24 per 100.

ACHILLEA • Yarrow

The Achilleas are a large family and provide many useful garden plants. They vary immensely from flat mat-like forms to tall, bold specimens closely approaching shrubs. As they delight in dry, sunny locations, they are useful in many difficult places in the gardens or borders. Most of them have pungent, aromatic foliage.

***Achillea ageratum.** Sweet Yarrow. 12 to 18 in. July to October. Flat heads of pale yellow flowers and silvery fern-like foliage. Excellent for covering dry, bare places.

***A. filipendulina.** Fernleaf Yarrow. 3 to 4 ft. June to September. Flowers bright yellow, in flat heads. Neat foliage. A bold, handsome plant. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***A. millefolium.** Common Yarrow. 18 to 24 in. July. Fine fern-like leaves and flat heads of white flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***A. millefolium, Cerise Queen.** 15 to 20 in. June to November. A highly developed form of the above with cherry-red flowers on long stems.

***A. millefolium rosea.** Pink Yarrow. 18 in. June to October. Rosy pink flowers in dense heads. Effective on edge of shrubbery or in border. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A. ptarmica, The Pearl. 2 ft. July to October. Small heads of pure white flowers borne in great profusion on strong wiry stems. It is of great value for mixing with other cut-flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

ACHILLEA, continued

A. ptarmica, Perry's White. 1 to 2 ft. June to September. A choice new variety, bearing pure white flowers over an inch across, with broad, overlapping petals. Nothing better for cutting.

A. sericea. 6 in. July to frost. A pretty tufted plant with yellow flowers in heads. \$1.50 for 3, \$4 for 10.

***A. tomentosa.** Woolly Yarrow. 5 to 6 in. July to September. Bright yellow woolly flowers. Excellent for edging and rockeries.

ACONITUM • Monkshood

One of the difficult garden problems is solved by the Aconites. They provide the rare and highly prized blue color late in the season, when there is a predominance of yellow and red, and make an excellent substitute for Delphiniums which are past their best when the Aconites begin. Then, too, they seem to be indifferent, more or less, to location, thriving well in the shade. Contrasted with Helianthus and Rudbeckias, or the white *Chrysanthemum maximum* and the forms of *Anemone japonica*, they are especially pleasing. They require several seasons to get in their best form and should therefore be disturbed as infrequently as possible.

Aconitum autumnale. Autumn Monkshead. 4 to 5 ft. September to frost. Large spikes of dark blue, curiously hooded flowers. Especially good for shady places. \$1.50 for 3, \$4 for 10, \$25 per 100.

A. autumnale barbatum. 1½ to 3 ft. June and July. Flowers are bluish violet tipped darker. An excellent early-flowering dwarf sort. \$1.05 for 3, \$3 for 10.

A. cammarum stoerkianum. 2 to 3 ft. Late July to September. Large, loose spikes of violet-purple flowers, and very finely cut foliage. \$1.20 for 3, \$3.50 for 10.

A. fischeri. Azure Monkshead. 1½ to 2 ft. September and October. Short spikes of large, clear blue flowers and bright, glossy foliage. One of the finest for late flowers. \$1.20 for 3, \$3.50 for 10, \$25 per 100.

A. fischeri wilsoni. 5 to 6 ft. September. A recent introduction from northern China, of strong, stately habit, with light violet-blue flowers. This is an extremely handsome variety, producing a profuse display of lovely light blue at the time this color is rarest and most appreciated in the garden. The stock has been extremely scarce. \$2.25 for 3, \$6 for 10, \$50 per 100.

A. lycotomum. Wolfsbane. 5 to 6 ft. June to September. A very curious species with yellowish white or yellow flowers, making a decided contrast with the dark blue of the other varieties. \$1.20 for 3, \$3.50 for 10.

A. napellus. Aconite. 3 to 4 ft. July and August. Long spikes of large, dark blue flowers. One of the oldest and best-liked varieties. \$1.05 for 3, \$2.70 for 10, \$24 per 100.

A. napellus bicolor. Bicolor Aconite. 2 to 2½ ft. July and August. This variety has variegated blue and white flowers, which are very effective. \$1.20 for 3, \$3.50 for 10.

A. napellus exaltatum. 4 to 5 ft. July to September. Light blue flowers on stout stems. A rare and unusual sort. \$2.25 for 3.

A. napellus, Sparks. Sparks' Aconite. 2½ to 4 ft. July. Very dark blue flowers. Blooms very early and makes a fine display for a long time. \$1.05 for 3, \$3 for 10, \$25 per 100.

A. variegatum tenniseum. 4 ft. July. A slender-stemmed variety of variable height, producing large blue flowers. A rare sort much sought for. \$1.20 for 3, \$3.50 for 10.

A. uncinatum. Clambering Monkshead. 3 to 5 ft. June to September. Stems slender, inclined to climb, with thick, deeply cut leaves and dark purple flowers. \$1.05 for 3, \$2.50 for 10, \$20 per 100.



ACORUS • Sweet Flag

Acorus calamus. *Sweet Flag.* 2 ft. June and early July. A swamp or water plant. Slender, sword-like leaves. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A. calamus variegatus. *Yellow-stripe Sweet Flag.* Same as the preceding, except the ribbon-like foliage is striped with green and gold. 75 cts. for 3, \$2.20 for 10.

ACTÆA • Baneberry

Actæa rubra. *Red Baneberry.* 1½ to 2 ft. May and June. An erect plant with showy spikes of white flowers, followed by handsome clusters of red berries.

A. spicata. *Black Baneberry.* 1 to 2 ft. May and June. Flowers are bluish white, and the berries are purple-black. Best in shady places.

EGOPODIUM • Goutweed

***Egopodium podagraria variegatum.** *Silver-edge Goutweed.* 12 to 15 in. Late in May and June. A rapid-growing plant with decorative white-margined leaves. Fine for edgings, rock gardens, and for covering barren places.

AJUGA

***Ajuga genevensis.** *Geneva Bugle.* 6 to 8 in. May. Long, showy spikes of bright blue flowers. Adapted for carpeting or bedding in shady borders.

***A. reptans rubra.** *Purple-leaved Bugle.* 5 to 6 in. Early May to mid-June. A dense, creeping plant with numerous blue flowers on erect spikes. Good for carpeting shady places.

ALTHÆA ROSEA • Hollyhock

Like roses, no one needs an introduction to the Hollyhocks. They are familiar, friendly flowers which have that home-like, old-fashioned air so desirable in the garden. Especially effective against a fence or stone wall, massed in corners, or clustered against a gate, they are also splendid at the back of the flower-border, or anywhere where a tall, slender, but self-supporting plant is desired. Their color-range is almost limitless, blue and golden yellow alone being missing. We grow all the good strains obtainable, and offer strong, field-grown plants.

Double Varieties. Apple-blossom, Blood-Red, Crimson, Deep Rose, Dr. Faust, Pink, Salmon, White, and Yellow. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

Single Varieties. Pink, Red, White, and Yellow. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

Allegheny. This strain produces giant fringed flowers in a wide range of handsome colors. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

Orange King. A double variety with yellow outer petals and a tufted center of orange-apricot. One of the most intensely colored and beautiful of all. \$1.20 for 3, \$3.50 for 10.

ALYSSUM

The Alyssums are useful edging plants. The annual Sweet Alyssum is probably more used than any other kind. The perennial sorts offered here are somewhat taller and some of them bloom very early in the season, providing low edging plants at a time most annual edgings are not yet in flower. Good rock plants and require no special treatment, although they like plenty of sunlight.

***Alyssum argenteum.** *Silver Alyssum.* 12 to 15 in. June to August. The yellow flowers come in dense clusters, with small white leaves beneath, giving a peculiarly beautiful silver effect. Suitable for rock garden and border. 75c. for 3, \$2.20 for 10, \$15 per 100.

ALYSSUM, continued

***A. rostratum.** *Yellow-head Alyssum.* 1 ft. June and July. Bright golden yellow flowers in dense heads. A very useful sort.

***A. saxatile compactum.** *Dwarf Goldentuft.* 1 ft. Mid-April to June. A very showy spring plant for the rockery or border, having fragrant yellow flowers in clusters, and silvery foliage. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***A. saxatile sulphureum.** 1 ft. April to June. The very abundant flowers are a soft creamy shade of sulphur yellow which combines well with soft blue blooms, like Forget-me-nots. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

AMSONIA

Amsonia salicifolia. *Willow Amsonia.* 1½ to 2½ ft. Late May and early June. Shrubby habit, with stiff, willow-like leaves which are held late, and small light blue flowers with white throats.

A. tabernæmontana. *Willow Amsonia.* 2 to 3 ft. Late May and early June. Small grayish blue flowers in panicles, but the beauty of the plant is in its stiff olive-like foliage which remains in perfect condition all season.

ANCHUSA • Bugloss

A very variable race of plants which provides the much-desired blue flowers. They do well in borders in full sun, but the Dropmore variety seems to prefer a little shade.

Anchora barrelieri. *Early Bugloss.* 2 to 3 ft. May. A bushy plant bearing an abundance of small, dark blue flowers with light pink or yellowish throats.

A. italica. *Italian Bugloss.* 3 to 4 ft. Large heads of fine blue flowers in June, similar to very large forget-me-nots. If not allowed to seed, it blooms from June to September. Rough leaves and stems.



Anchusa myosotidiflora. Siberian Bugloss. See page 44

Except where otherwise indicated, all Perennials are 90 cts. for 3, \$2.40 for 10, \$18 per 100



Anemone japonica

Queen Charlotte (light pink), Rosea (pink), Whirlwind (white)

ANCHUSA, continued

- A. italica, Dropmore.** *Dropmore Bugloss*. 4 to 5 ft. May. An improved variety of the preceding, with rich gentian-blue flowers. One of the most desirable perennials.
- A. italica, Opal.** *Opal Bugloss*. 3 to 4 ft. Summer. Much like Dropmore but has very beautiful large pale blue flowers.
- A. myosotidiflora.** *Siberian Bugloss*. 10 to 12 in. April and May. A low, bushy plant with large, handsome leaves, producing sprays of beautiful forget-me-not-like flowers of beautiful pale blue. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- A. sempervirens.** *Evergreen Bugloss*. 3 ft. Early summer. Lavender-blue flowers and broad, almost evergreen leaves.

ANEMONE

There are two distinct classes of Anemones. The early sorts are mostly dwarf, and are charming little plants for woodland or rockery. The Japanese sorts bloom in late summer and fall, are much taller, and form fine big clumps that have an artistic grace unequalled by any other flowers in their season. They look especially well against a background of evergreens, and are equally effective in the middle of the perennial border.

Anemone canadensis. *Meadow Anemone*. 1 to 2 ft. May to July. White, cup-shaped flowers an inch across, borne in a cluster of three large leaves. One of the best of our native Anemones and adapted to shady positions where it makes a fine level growth of lovely foliage. Fine for naturalizing.

A. hupehensis. *Chinese Anemone*. 1 to 2 ft. Late summer. Similar to the Japanese sorts, with somewhat smaller, mauve-pink flowers on tall stems. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

A. japonica. *Japanese Anemone*. 2 ft. Fall. Beautiful rosy-red flowers with bright yellow stamens.

A. japonica alba. *White Japanese Anemone*. 3 ft. Fall. Glistening white flowers, useful for cutting.

ANEMONE, continued

- A. japonica, Alice.** 2 to 3 ft. Autumn. Very large flowers of pale silvery rose-pink. 90 cts. for 3, \$2.50 for 10, \$20 per 100.
- A. japonica elegantissima.** 4 ft. September to November. A strong grower with satiny pink flowers. 90 cts. for 3, \$2.50 for 10, \$20 per 100.
- A. japonica, Lady Ardilaun.** 2 to 3 ft. Fall. Pure white variety, with overlapping petals.
- A. japonica, Mt. Rose.** 3 ft. September to November. Very large, double flowers of delightful rose-pink color. 90c. for 3, \$2.50 for 10, \$20 per 100.
- A. japonica, Prince Heinrich.** 2 to 3 ft. Fall. Large, very double, dark pink, almost red flowers, borne very freely. 90 cts. for 3, \$2.50 for 10, \$20 per 100.
- A. japonica, Queen Charlotte.** 3 ft. Fall. Large, semi-double, deep pink flowers. Desirable for cutting; is well known and widely planted.
- A. japonica, Richard Arends.** 4 ft. Autumn. Glistening white, single flowers, sometimes tinted with lavender. Vigorous plant. 90 cts. for 3, \$2.50 for 10, \$20 per 100.
- A. japonica rosea superba.** 2 ft. Fall. Flowers of medium size, delicate silvery rose-color, borne profusely on rigid stems.
- A. japonica, Whirlwind.** 3 ft. Fall. Large, semi-double, snowy white flowers with a whorl of green around base of petals.
- *A. pulsatilla.** *European Pasque Flower*. 9 to 12 in. April and May. Well adapted for border or rockwork. Flowers blue to reddish purple.
- *A. pulsatilla rubra.** *Red European Pasque Flower*. 9 to 12 in. April and May. A red-flowering form of *A. pulsatilla*. Fine for rockery or border.
- *A. sylvestris.** *Snowdrop Anemone*. 12 to 15 in. April to July. Large creamy white flowers which nod gracefully. Foliage deeply cut at top, hairy beneath. Good in border or partial shade.

ANTENNARIA

- *Antennaria dioica.** *Common Pussy-Toes*. A low, rosette-like plant for rockery. White, woolly flowers on short, erect stems. Suitable for dry, sunny places.

ANTHEMIS • Camomile

These are very hardy bushy plants with daisy-like flowers and strongly scented pungent foliage. They are excellent and enduring subjects for the perennial border and require only ordinary soil and full sunlight.

Anthemis nobilis. *Common Camomile*. 18 in. Summer. Single, white-rayed flowers which often come double. A beautiful bushy plant with fern-like foliage. Well-known medicinal herb.

A. tinctoria. *Yellow Camomile*. 2 to 3 ft. June to November. Of bushy habit, with angular stem and daisy-like golden yellow flowers, 1 to 2 inches across.

A. tinctoria kelwayi. *Kelway Camomile*. 2 to 3 ft. June to October. Pretty lemon-yellow flowers similar to the preceding. Good for cutting and for the border.

A. tinctoria, E. C. Buxton. 2 to 3 ft. June to October. A similar variety to above, with creamy yellow flowers. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

ANTHERICUM

Anthericum liliago. *St. Bernard's Lily*. 2 to 3 ft. May and June. A very decorative specimen or border plant with slender, ribbon-like leaves and tall stems bearing loose spikes of starry white flowers tipped with green. Of very easy culture. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

A. liliago giganteum. See *Paradisea*.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



Arabis albida flore-pleno. Double Wall Cress

AQUILEGIA • Columbine

The Columbines are among the best-known and best-liked plants, thriving, as they do, under many diverse conditions of sun, shade, and varying soil. They are especially good at the edge of a shady border or among the ground-cover beneath densely foliated trees. They combine well with almost all plants, but show up especially well with hemerocallis, pachysandra, wild ferns, *Filipendula hexapetala*, various irises, trolilius, and lupines. For rockeries, the native *Canadensis* is superb. They are persistent perennials, although they are likely to disappear unaccountably. As they seed very freely, there are always new plants to replace missing ones.

**Aquilegia cœrulea.* *Colorado Columbine.* 1 to 1½ ft. May to July. Bright blue and white, long-spurred flowers.

**A. canadensis.* *American Columbine.* 2 ft. May and June. Our well-known native species, with scarlet sepals and bright yellow petals. One of the gayest of all flowers and most useful for rock gardens. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

**A. chrysantha.* *Golden Columbine.* 3 ft. June to August. Numerous fragrant and showy golden yellow flowers, with long, slender spurs.

**A. flabellata nana.* *Fan Columbine.* 8 to 12 in. June. Dwarf, compact species with showy purple or lilac flowers. Excellent for rock gardens. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

**A. flabellata nana alba.* *White Fan Columbine.* 8 to 12 in. June. A dwarf white form of the above. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

**A. formosa, Long-spurred Hybrids.* *California Columbine.* 2 to 3 ft. May to July. Large flowers of a bewildering wealth of delicate colors. Spurs very long and fine. Foliage broad and ornamental.

A. skinneri. *Mexican Columbine.* 2 ft. May and June. Crimson sepals lined with light green petals and long, straight, crimson spurs. Good border plants. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A. vulgaris. *European Columbine.* 2 ft. May to July. Flowers in all shades of blue, white, red, and purple. Strong, vigorous habit of growth. An effective border plant. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

AQUILEGIA, continued

A. vulgaris alba. *White European Columbine.* 2 to 3 ft. May and June. Large, pure white flowers valuable for cutting.

A. vulgaris flore-pleno alba. *Double. White European Columbine.* 2 to 3 ft. May and June. Double-flowering variety of above. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A. vulgaris nivea. *Munstead White Columbine.* 2 to 3 ft. Early spring. Produces a great profusion of large, pure white flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A., Mrs. Scott Elliott's Hybrids. Various shades of pink. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

ARRHENATHERUM • Oat Grass

Arrhenatherum bulbosum variegatum. *Variegated Oat Grass.* 12 in. A dwarf grass with variegated green and white leaves. Makes a fine edging along a shrub-border, or good foliage masses among other perennials.

ARABIS • Rock Cress

These are edging plants of the highest quality, producing a mat of white flowers very early in the season, and providing a soft, grayish green carpet throughout the rest of the season. Splendid both for rockwork and edging borders.

**Arabis albida.* *Wall Cress.* 6 to 9 in. May. Fragrant white flowers in clusters. Especially adapted to stony banks.

**A. albida flore-pleno.* Double-flowering form of the above. Very desirable. \$1.05 for 3, \$3 for 10, \$24 per 100.

**A. alpina.* *Alpine Rock Cress.* 9 in. April and May. Flowers smaller but similar to the former variety and produced in even greater profusion. One of the best rock plants. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

**A. alpina nana compacta.* *Dwarf Alpine Rock Cress.* 6 in. or less. April and May. Similar to the preceding but lower and denser.

**A. mollis.* Early spring. Glossy tufted plants bearing clouds of white flowers. Foliage attractive all season.



Aquilegia formosa. Long-spurred Hybrid Columbines

Plants suitable for the rock garden are marked with an asterisk (*)



ARENARIA • Sandwort

**Arenaria balearica*. *Corsican Sandwort*. 4 in. June. White flowers. Suitable for rockwork. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

**A. montana*. *Mountain Sandwort*. 4 to 6 in. May and June. Very desirable evergreen trailing plant, forming a dense carpet of foliage and covered with large white flowers. Splendid for the rock garden.

**A. verna cæspitosa*. *Moss Sandwort*. 1 to 3 in. June. A compact, leafy plant with small flowers on thread-like stems and making a mass of mossy foliage all season.

ARMERIA • Thrift

For the edging plants which are commonly called Armeria, see **Statice**.

ARTEMISIA • Wormwood

This family embraces many aromatic and bitter herbs from which various drugs are extracted. Mostly they are used in the garden for their beautiful foliage effects, but *A. vulgaris lactiflora* is a handsome flowering plant which has attracted considerable attention and has found many decorative uses in garden schemes. All these plants delight in poor, dry soil and in sunny situations, a fact that gives them unusual importance.

Artemisia abrotanum. *Old Man*; *Southernwood*. 3 to 4 ft. Flowers inconspicuous. Foliage deep green, pleasantly fragrant, and finely cut. \$1.50 for 3, \$4.50 for 10.

A. absinthium. *Common Wormwood*. 2 to 4 ft. Flowers unimportant. An old-fashioned garden herb from which the bitter wormwood tea is brewed.

A. dracunculus. *Tarragon*. 3 ft. Another old-fashioned herb with dark green, pointed foliage, which is used for flavoring. 90 cts. for 3, \$2.40 for 10.

A. purshiana (*gnaphaloides*). *Cudweed Wormwood*. 15 in. Small white flowers; white foliage. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A. pontica. *Roman Wormwood*. 9 to 12 in. Shrubby, erect plants with handsome silvery foliage and whitish yellow flowers in nodding heads.



Artemisia abrotanum Common Wormwood

ARTEMISIA, continued

A. Silver King. *Ghost Plant*. 3 ft. Early summer. White, silvery leaves and sprays of mist-like flowers, useful for cutting and for lightening heavy color combinations in the border. Sprays keep indefinitely and may be dried for winter bouquets. A very useful plant. 90 cts. for 3, \$2.50 for 10.

A. stelleriana. *Old Woman*; *Dusty Miller*; *Beach Wormwood*. 2 ft. Attractive for its silvery, fine-cut foliage, which makes a splendid edging, especially when mixed with pinks or some low blue flower. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

A. vulgaris lactiflora. *White Mugwort*. 3 to 4 ft. August and September. Unlike the other varieties, which are grown for their foliage, this introduction from China bears sprays of creamy white flowers on tall, erect stems which are clothed with fine-cut, dark green foliage. It makes a splendid cut-flower for mixing with flowers of decided color or form, such as delphiniums.

ARUNCUS • Goatsbeard

Aruncus sylvestris. *Common Goatsbeard*. 4 ft. June. A bold, and highly ornamental perennial, resembling the astilbes but taller, and producing long, feathery plumes of white flowers. \$1.05 for 3, \$3 for 10, \$20 per 100.

ASCLEPIAS • Milkweed

Asclepias incarnata. *Swamp Milkweed*. 3 to 4 ft. July. Leafy and branching with nodding heads of showy purplish red flowers. The seed-pods are curiously owl-like and they are fascinating in winter. 90 cts. for 3, \$2.40 for 10.

A. tuberosa. *Butterfly Weed*. 2 to 3 ft. July to September. A handsome low, bushy plant, with heads of dazzling orange-colored flowers. Fine plant for naturalizing. \$1.05 for 3, \$2.70 for 10, \$21 per 100.

ASPERULA • Woodruff

Asperula odorata. *Sweet Woodruff*. 6 to 8 in. May. Erect little plants with fine-toothed leaves in clusters of eight, and heads of snowy white flowers. Increases rapidly and is used for carpeting shady places and for edgings. A fine scented herb. 90 cts. for 3, \$2.40 for 10.

ASPHODELINE • Jacob's-Rod

Asphodeline lutea. *Common Jacob's-Rod*. A fine border plant, having tall spikes of very fragrant, bright yellow, lily-like flowers and sword-like foliage.

ASTER

A very beautiful class of hardy plants, including a great variety of forms which vary a great deal in time of blooming, size of flowers, and stature. The dwarf, alpine species indicated below bloom early and are splendid decorative plants for either rockery or border. The tall, fall-blooming kinds, or Michaelmas Daisies, are descendants from the beautiful wild New England Aster so common in Massachusetts, and many other native species.

The Asters are 75 cts. for 3, \$2.20 for 10, \$15 per 100, except where noted otherwise

Aster acris. 1 ft. September. Large blue flowers with handsome long rays. Very showy.

**A. alpinus*. *Rock Aster*. 9 in. Late May to June. Large, showy purple flowers, each on good stem for cutting. Desirable for rock garden or border.

**A. alpinus albus*. 6 in. Spring-flowering. White flowers similar to the preceding.

**A. alpinus*, *Dark Beauty*. 6 in. May and June. Large, dark violet-blue flowers.

**A. alpinus giganteus*. 12 to 15 in. Soft blue flowers of unusually large size. A more robust plant than *alpinus*.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



ASTER, continued

- ***A. alpinus ruber.** 6 in. to 1 ft. May and June. Bright reddish lavender flowers.
- ***A. longifolius.** *Long-leaved Aster.* 1 to 3 ft. Similar to *Alpinus* but larger and with broad leaves 3 to 5 inches long. Flowers are large and vary from violet to white.
- A. amellus bessarabicus.** *Bessarabian Aster.* 18 in. August. Showy dark, purplish blue flowers, with orange center. Good for cutting.
- A. amellus elegans.** 12 to 18 in. August. A fine free-blooming sort with bright bluish lilac flowers.
- A. amellus roseus.** 12 to 18 in. August. Rich, purple-rose flowers, with golden centers. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- A. ericoides.** *Heath Aster.* 18 in. October. Neat little plants with heath-like foliage and arching sprays of fairy-like white flowers with yellow centers. A small but elegant variety.
- A. laevis.** *Smooth Aster.* 3 to 4 ft. Early fall. Large blue flowers.
- A., Mauve Cushion.** 9 in. October and November. A cushion-like plant not over 2½ feet across. The flowers are delicate mauve and are produced in great numbers. A recent importation from Japan and of unusual beauty. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- A. multiflorus.** *Wreath Aster.* 18 in. Multitudes of small white flowers. A native which is happy in dry places.
- A. novæ-angliæ.** *New England Aster.* 3 to 5 ft. August and September. Our grandest American species which adorns our Massachusetts hills and fields everywhere, with thousands of large violet-purple flowers. One of the finest for mass effects.
- A. novæ-angliæ.** *Mrs. F. W. Raynor.* 4 ft. September and October. Large flowers of an unusual shade of very dark rosy crimson. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- A. novæ-angliæ roseus.** 3 to 4 ft. August and September. A charming variety of the above in all shades of rose-pink. Some think it the most beautiful of all hardy Asters.
- A. novæ-angliæ roseus superbus.** 3 to 4 ft. August and September. An almost red form of the preceding, and a profuse bloomer. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- A. novi-belgi.** *New York Aster.* 3 to 5 ft. September and October. Pale blue flowers of medium size. One of the most distinct and beautiful. Excellent in shrubbery and border.
- A. ptarmicoides.** *White Upland Aster.* 18 in. August and September. Produces a multitude of small white and sometimes faintly yellow flowers in flat sprays. Useful for cutting. The plant is bushy.
- A. spectabilis, Nenco.** *Seaside Aster.* 2 ft. A stout little plant with very large lavender-purple flowers. Does well near the coast. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- A. tataricus.** 5 to 6 ft. October to December. A very tall variety with large blue-violet flowers. The latest Aster to bloom.

Named Hardy Asters

The Aster family is almost endless, and European hybridizers have produced an amazing number of very beautiful forms, of which we offer the choicest. They abound in shades of lavender, pink, and bluish purple, and produce an indescribably beautiful mass effect at the back of the border or at the edge of a shrubbery. They will thrive in poor soil, but to be seen at their best they should be well treated. They are worth it.

- Abendroth.** 5 ft. September and October. Bright rosy red flowers in great profusion. One of the best. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Anita Ballard.** 4½ ft. August and September. Very large, pale, cornflower-blue, semi-double flower with incurved rays. \$1.05 for 3, \$3 for 10, \$21 per 100.



Hardy Asters

NAMED HARDY ASTERS, continued

- Beauty of Colwall.** 4 ft. August and September. Charming double flowers of soft lavender. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Blue Gem.** 4 to 5 ft. September and October. Very large, double flowers of a glorious shade of rich dark blue. One of the handsomest ever introduced. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- Climax.** 5 ft. August to October. One of the finest Asters, producing large (2 inches across) flowers of clear light blue with golden central disk. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Elta.** 3 to 4 ft. October. Semi-double flowers of a handsome pale lilac shade, which last well when cut. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- Feltham Blue.** 2½ to 4 ft. August and September. A decorative, free-blooming variety with bright blue flowers, having yellow centers. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Grey Lady.** 4 ft. Large, semi-double flowers of a most exquisite shade of opal-gray, resembling small *Chrysanthemums*. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- Japanese.** 2 ft. Double white flowers. 90 cts. for 3, \$2.40 for 10.
- King of the Belgians.** 5½ ft. September. Immense, semi-double, lavender-blue flowers with bright golden centers. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- Lady Lloyd.** 3 to 4 ft. August and September. A very beautiful variety with large heads of clear rose-pink flowers. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Lady Trevellyn.** 3 to 4 ft. Immense heads of white flowers with yellow centers. Most conspicuous and ornamental.
- Madonna.** 3 ft. August. Large, pure white flowers. One of the earliest to bloom.
- Mme. Emile Thoury.** 3 ft. August. Profuse bloomer; flowers light ageratum-blue. Earlier than *Climax*. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- Novelty.** 2 ft. October. A fine late variety. Deep mauve-pink flowers of medium size. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Peggy Ballard.** 3 ft. Large, pyramidal sprays of double rosy mauve flowers on compact plants. A fine thing. 90 cts. for 3, \$2.40 for 10, \$18 per 100.

Plants marked with an asterisk (*) will be found suitable for the Rock Garden



Astilbe Gloria. A. Salland. A. japonica, Queen Alexandra

NAMED HARDY ASTERS, continued

- Perry's Favorite.** 18 to 24 in. A very showy variety with erect, bright reddish pink flowers of medium size. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Perry's White.** 2 ft. August and September. White flowers over 2½ inches across, with a golden disk that turns to rich maroon.
- Queen Mary.** Enormous rich blue flowers in large, conical trusses. A new sort of great merit, much praised abroad. \$1.20 for 3, \$3.50 for 10, \$25 per 100.
- Sam Banham.** 3 to 4 ft. August. Long, feathery sprays of large, pure white flowers. \$1.20 for 3, \$3.50 for 10, \$24 per 100.
- Snowflake.** 24 in. August and September. Flowers snow-white. Fine
- St. Egwin.** 12 to 18 in. September and October. A charming bright pink Aster produced on strong, symmetrical plants. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Top Sawyer.** 2 ft. September and October. Large, pale pink flowers, fading to white.
- Thomas Ware.** 3 to 4 ft. Late. Effective delicate pink flowers. Very dense habit.
- White Climax.** 5 ft. August. A pure white form of the ever-popular Climax. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- Ypres.** 12 to 18 in. Neat, compact bushy plants with profuse clusters of rosy red flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

ASTILBE

The fluffy plumes of the Astilbes have an airiness and a laciness about them unequalled by any perennial of similar habit. They are not very common in gardens, although they succeed well in ordinary soil, and even in partial shade if they are given plenty of water during the growing and flowering season. They are most familiar as pot plants from the florists, who usually call them "Spiræas," which they are not.

They have an indescribable beauty when used as an edging to a border of shrubs or evergreens, and the many varieties shade into each other in delicate tints of white, cream, pink and rose. We recommend them highly.

ASTILBE, continued

- Astilbe arendsi.** This is a horticultural name given to a number of hybrids of *A. davidi*, all of exquisite beauty, and of which a representative collection follows:
- Ceres.** 2½ to 3 ft. Last of July to August. Well-branched panicles of brilliant rosy lilac flowers. 50 cts. each, \$4 for 10.
- Crepuscle.** 2½ to 3 ft. Flesh-colored flowers in large sprays. 50 cts. each, \$4 for 10.
- Feerie.** Very handsome panicles of pale flesh-white flowers of great delicacy and charm. 50 cts. each, \$4.50 for 10.
- Gerbe d'Argent.** 2 to 3 ft. The big sprays of almost pure white flowers are most handsome. 50 cts. each, \$4 for 10, \$30 per 100.
- Gloria.** 2 ft. July and August. Compact dwarf plants with dense, plummy sprays of deep pink flowers. 40 cts. each, \$3.50 for 10, \$25 per 100.
- Juno.** 3 ft. Plumes rich violet-rose. 50 cts. each, \$4 for 10, \$30 per 100.
- Meta Immink.** 3 ft. Deep pink flowers in dense plumes. 50 cts. each, \$4 for 10, \$30 per 100.
- Moerheim.** 5 ft. Its well-branched, erect spikes of flowers have a length of over 2 feet and are pure white. 50 cts. each, \$4 for 10.
- Pyramidal.** 2 to 3 ft. Very fine panicles of pure milky white. 50 cts. each, \$4 for 10.
- Rose Pearl.** 2½ ft. July and August. Shell-pink flowers of a very delicate and appealing shade. 40 cts. each, \$3.50 for 10, \$30 per 100.
- Salland.** 6 ft. Gigantic feathery sprays of rich red flowers. 50 cts. each, \$4 for 10, \$30 per 100.
- Vesta.** 3 ft. Very graceful plumes of light mauve and lilac. 40 cts. each, \$3.50 for 10, \$30 per 100.
- A. astilboides.** *Goatsbeard Astilbe.* 2 to 3 ft. The erect branching panicles are crowded with dense clusters of white flowers. 35 cts. each, \$2.70 for 10, \$20 per 100.
- A. chinensis.** *Chinese Astilbe.* 18 in. July and August. Finely cut foliage. Pink flowers in fine sprays which are effective in masses and in the border. 35 cts. each, \$2.70 for 10, \$20 per 100.



Aubrietia deltoidea. Common Aubrietia



Baptisia australis. Blue Wild Indigo

ASTILBE, continued

- A. davidi.** *David Astilbe.* July and August. The flower-spikes are 5 feet high, like a gigantic *Astilbe japonica*, of lovely pink. 50 cts. each, \$4 for 10.
- A. japonica.** *Japanese Astilbe.* 1 to 3 ft. June and July. Its plume-like spikes of pure white flowers and pretty dark green foliage make this a valuable sort for shady places in the garden or forcing. 35 cts. each, \$2.70 for 10, \$20 per 100.
- A. japonica, Peach Blossom.** 15 to 18 in. July and August. Soft pink flowers. 40 cts. each, \$3.50 for 10, \$27 per 100.
- A. japonica, Queen Alexandra.** 2 ft. A very fine early-flowering variety of soft creamy pink color. 40 cts. each, \$3.50 for 10, \$24 per 100.
- A. japonica, W. E. Gladstone.** 2 ft. Similar to Queen Alexandra, but has feathery plumes of pure white flowers. 50 cts. each, \$4 for 10, \$30 per 100.

AUBRIETIA

Charming little plants closely related to the Alyssum tribe and used for the same purpose, providing a wide range of purple, violet, and pink shades in ideal plants for rockwork or edging.

- *Aubrietia deltoidea.** *Common Aubrietia.* 3 to 4 in. April and May. Small, showy purple flowers which almost hide the silvery foliage, making a closely woven mat between rocks and along edges of borders. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *A. deltoidea bougainvillei.** *Bougainville Aubrietia.* 4 in. A more compact little plant than the foregoing, with flowers of light violet. \$1.20 for 3, \$3.50 for 10, \$30 per 100.
- *A. deltoidea græca.** *Greek Aubrietia.* 3 to 4 in. May. A rock plant of trailing habit, thickly covered with dark violet flowers larger than other Aubrietias. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *A. deltoidea purpurea.** *Purple Lady Aubrietia.* 4 to 5 in. Large, purple flowers and a more erect growth. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

BAPTISIA • Wild Indigo

- Baptisia australis.** *Blue Wild Indigo.* 2 to 3 ft. Late May and June. A handsome plant, with deep blue, lupine-like flowers in long, curving racemes. Easily cultivated and adapted to any garden soil.
- B. tinctoria.** *Yellow Wild Indigo.* 2 to 3 ft. July. A bushy plant with dark green, deeply cut foliage and showy spikes of bright yellow flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

BELAMCANDA • Blackberry Lily

Belamcanda chinensis. *Blackberry Lily.* 2 to 3 ft. July and August. A loosely formed, iris-like plant with slender, much branched stems bearing smallish bright orange-yellow, lily-like flowers, spotted with brown.

BELLIS • English Daisy

The true Daisies make dense rosettes of dark green leaves and bloom profusely early in the spring. They are especially charming edging plants and do well in half-shady places in the rockery. They must be kept dry in winter and should have slight protection.

Bellis perennis. *English Daisy.* April to June. 3 to 6 in. Densely double flowers of rosy red, white, and pink. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

B. perennis, Giant White. A larger flowered type but not always fully double. This variety and the next, when mixed with forget-me-nots, make a lovely edging. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

B. perennis, Giant Pink. A pink form of the preceding. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

BOCCONIA • Plume Poppy

Bocconia cordata. *Pink Plume Poppy.* 5 to 8 ft. July and August. A big, lusty plant with large, ruffled foliage and nodding clusters of creamy flowers which are followed by grayish seeds that make a pleasant rattle in the wind. Good in wild garden or shrubbery and for subtropical effects. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

BOLTONIA

A group of plants closely related to the hardy asters and useful for the same purposes. Their stems are stiffer and wirier, requiring less support. They are very easy to grow and take care of themselves when once established.

Boltonia asteroides. *White Boltonia.* 5 to 6 ft. September and October. Branching stems, bearing numerous aster-like white flowers. One of the best late-flowering perennials. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

B. latissquama. *Violet Boltonia.* 4 ft. July to October. A handsome plant with large showy heads of pale lilac-purple flowers. Especially good for cutting and an attractive plant in rough places and in the border. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

B. latissquama nana. *Dwarf Pink-rayed Boltonia.* 2 ft. Similar to the foregoing but dwarfier and has beautiful pink flowers.

B. laevigata. 6 to 7 ft. October. Flowers are pink, fading to white and borne in great profusion. A strong-growing plant for the middle or back of the border. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

BUPHTHALMUM • Oxeye

Buphtalmum salicifolium. *Willowleaf Oxeye.* 1½ ft. June and July. A showy garden plant of compact habit, with a profusion of flowers like big, clear yellow daisies. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

B. speciosum. *Heart-leaved Oxeye.* 3 to 4 ft. June and July. A much larger plant than the preceding, with very big, heart-shaped leaves and large, yellow flowers. It grows very thickly and makes splendid masses. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

CALIMERIS

Calimeris incisa. *Starwort.* 1 to 2 ft. July and August. A plant of easy culture in any good soil. Similar to the hardy asters which makes a brave display of large, purple-rayed flowers shading to pale lavender with yellow centers.



CALTHA

Caltha palustris. *Marsh Marigold.* 1 ft. May and June. A cheerful little plant for marshy places and by the sides of streams and ponds. Flowers bright yellow and look like clusters of big buttercups.

CAMPANULA • Bellflower

No one interested in rock gardening can afford to pass by the Bellflowers, and perennial borders rely upon them for some of their finest effects. They form a very large and much-varied family, containing plants of absorbing interest and beauty for every purpose. The taller sorts are indispensable for handsome garden effects, and the dwarfer types are equally at home in the rockery or at the edge of garden beds.

****Campanula alliariaefolia.*** 1½ to 2 ft. July. Erect, pyramidal plants of vigorous habit. Flowers bell-like, white, fringed at the edge, 2 inches long. \$1.20 for 3, \$3.50 for 10, \$27 per 100.

****C. barbata.*** *Bearded Bellflower.* 6 to 9 in. July. Graceful rock plant, with pale blue, drooping flowers in small clusters. Becomes coarse in rich soil. \$1.05 for 3, \$3 for 10, \$20 per 100.

****C. carpatica.*** *Carpathian Bellflower.* 9 in. or more. June to September. The dark blue flowers are unusually large for so small a plant. A very popular plant for border or rock garden.

****C. carpatica alba.*** *White Carpathian Bellflower.* 9 in. or more. June to September. A pure, glistening white form of the preceding which looks well planted with it.

****C. carpatica turbinata.*** *Top Bellflower.* 2 ft. June. Rich purple flowers of top-shape and larger than the above. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

****C. carpatica turbinata alba.*** *White Top Bellflower.* Similar to the one above, but has white flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

****C. garganica.*** *Gargano Harebell.* 3 to 6 in. June to September. Flowers blue, profusely produced. Excellent for trailing out rocks. \$1.05 for 3, \$2.70 for 10, \$24 per 100.



Campanula persicifolia. Peachleaf Bellflower

CAMPANULA, continued

****C. glomerata dahurica.*** *Dahurian Bellflower.* 1½ to 2 ft. or more. June and July. A splendid form bearing rich purple flowers in clusters on the ends of the shoots. Especially good for cutting. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

C. glomerata superba. *Showy Cluster Bellflower.* 2½ ft. June and July. Large clusters of violet-blue flowers. 90 cts. for 3, \$2.40 for 10.

****C. lactiflora.*** *Milky Bellflower.* 2 ft. July and August. One of the best Campanulas and finest of perennials. Wonderful blue flowers and blooms over a long period.

C. latifolia macrantha. *Royal Bellflower.* 3 ft. June and July. Very handsome, enormous drooping bells of fine satiny lilac and deep purplish shades in splendid spikes. Similar to but larger than the preceding variety.

****C. latiloba (grandis).*** *Olympic Bellflower.* 1½ ft. May and June. Very showy, large, saucer-shaped flowers of rich violet-blue often 2 inches across.

C. latiloba alba. A charming form of the above.

C. medium. *Canterbury Bells.* 2 to 3 ft. Late June and July. Very large, bell-shaped flowers of blue, white, pink, and mixed. This is, perhaps, the most delicately beautiful of all. The white and pink kinds are especially lovely. Colors separate or mixed as desired.

C. medium calycanthema. *Cup-and-Saucer Bellflower.* 2 to 3 ft. July. The enlarged calyx is of the same color and texture as the flower, giving a cup-and-saucer effect. Pink, Blue, White, and Mixed. Sold in separate colors or mixed, as desired.

C. muralis (C. portenschlagiana). 6 to 9 in. A profuse, blue-flowering trailer similar to *C. garganica* but with differently shaped flowers. \$1.05 for 3, \$2.70 for 10, \$24 per 100.

C. persicifolia. *Peachleaf Bellflower.* 2 to 3 ft. June and July. Broad, single, purple, bell-shaped flowers arranged along a tall flower-spike. One of the most desirable border plants.

C. persicifolia alba. *White Peachleaf Bellflower.* Similar to the above, but has white flowers.

C. persicifolia, Feltham Beauty. 3 ft. June, July. A delightful new variety with large, single bells of soft, light blue. Most attractive. \$1.05 for 3, \$3 for 10, \$25 per 100.

C. persicifolia moerheimi. *Moerheim Bellflower.* 2 ft. June and July. A handsome plant of free, sturdy habit, with large, pure white, semi-double flowers, borne on a stiff, erect flower-stalk. An excellent variety.

C. pulcherrima. 2 ft. July. A variety with numerous small blue bells. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

C. punctata. *Spotted Bellflower.* 1 ft. A very pretty little plant, quite hairy, with small whitish flowers spotted with purple inside. One of the most interesting of the whole family.

C. pyramidalis. *Chimney Bellflower.* 3 to 4 ft. July and August. Forms a pyramid composed of numerous stems, crowded with large, handsome, blue, salver-shaped flowers. This is undoubtedly the choicest variety of Bellflowers.

C. pyramidalis alba. *White Chimney Bellflower.* Similar to the above, but has white flowers.

****C. rotundifolia.*** *Harebell.* 1 ft. June to August. In the wild it is more slender and taller than in the garden. Clear blue flowers. Especially suited for crevices in the rock garden or steep slopes, where it can show its pendent habit. This is the true Bluebell of Scotland.

****C. trachelium.*** *Coventry Bells.* 2 to 3 ft. July and August. Sturdy, hairy plant, with drooping, light purple, somewhat downy flowers.

CAREX • Sedge

****Carex morrowi variegata.*** *Silver-edged Morrow Sedge.* 1 ft. A handsome, grass-like plant suited for the border. The stiff, clean, white-edged foliage keeps in condition for months. Perfectly hardy, holding its foliage all winter. \$1.05 for 3, \$3 for 10.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



CASSIA

Cassia marilandica. *Wild Senna*. 3 to 4 ft. June to September. A splendid border plant with bright yellow flowers in clusters at the tops of the stems. Fine light green foliage. Good for planting among shrubbery.

CATANANCHE • Cupids-Dart

Catananche cærulea. *Blue Cupids-Dart*. 2 ft. July and August. Heads of pretty, deep blue, daisy-like flowers on long stems. An everlasting. An old-fashioned herb once famed as the chief ingredient of witch's love-philter.

C. cærulea alba. *White Cupids-Dart*. A white form.

CEDRONELLA

***Cedronella cana.** *Hoary Cedronella*. 12 to 18 in. July to October. A fine aromatic herb with purple-crimson flowers borne in whorls on long spikes. \$1.05 for 3, \$2.70 for 10.

CENTAUREA

The Centaureas are bold flowering plants, with graceful, fluffy flowers resembling thistle-blossoms. They bloom over a long season and are especially useful for cutting.

***Centaurea dealbata.** *Persian Centaurea*. 15 to 24 in. June to August. Large, rosy purple flowers on leafy stems, rising from a cluster of very large, bold foliage.

C. macrocephala. *Globe Centaurea*. 3 ft. July to September. Perhaps the most showy Centaurea with enormous flowers of rich golden yellow. Useful for cutting.

***C. montana.** *Mountain Bluet*. 20 in. July and August. A low, bushy plant with big bluish violet flowers, like enormous cornflowers. Valuable for cutting and very effective in the border mixed with pale pink, yellow, or white flowers.

***C. montana alba.** *White Mountain Bluet*. A white form of the above. 9 to 15 in. June.

CENTRANTHUS • Jupitersbeard

Centranthus ruber. *Jupitersbeard*. 3 ft. June and July. The old-fashioned garden variety, called "Red Valerian," with many crimson and light red flowers produced steadily through the summer. A fine old flower, much neglected nowadays, which ought to be better known.

C. ruber albus. *White Jupitersbeard*. A white form of the above.

CEPHALARIA

Cephalaria tatarica. *Tatarian Cephalaria*. 6 ft. July and August. Flat heads of showy cream-white flowers on good stems for cutting. Suited for rear of border, where bold and striking effects are desired. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

CERASTIUM

***Cerastium argenteum** (*C. grandiflorum*). 6 to 8 in. Silvery grey foliage and white, almost transparent, flowers. Plant creeping and suitable for rockwork. \$1.20 for 3, \$3.50 for 10, \$27 per 100.

***C. biebersteini.** *Taurus Cerastium*. 6 in. May and June. A creeping plant with white flowers and woolly, dark green foliage.



Cerastium plumbaginoides. *Larpen Plumbago*

CERASTIUM, continued

***C. tomentosum.** *Snow-in-Summer*. 3 to 6 in. May and June. Spreading plant with silvery foliage covered with a sheet of small white flowers. Used principally for edging and rockwork. It is especially good in the corners of stone steps and its gray foliage looks well with low pink flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

CERATOSTIGMA

***Ceratostigma plumbaginoides.** *Larpen Plumbago*. One of the most desirable border and rock plants. It is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during summer and fall. Comes up very late in spring so the ground should not be disturbed until it appears. \$1.05 for 3, \$2.70 for 10, \$21 per 100.

CHEIRANTHUS

***Cheiranthus allioni.** *Wallflower*. 6 to 12 in. May to July. Small plants, with erect stems crowned by flat heads of dazzling orange-yellow flowers. One of the finest plants for massing or edging. A very peculiar, modernistic color combination is to plant it with pale blue forget-me-nots. It also looks exceedingly well with dark purple, not violet flowers; white is not very good with it.

CHELONE • Turtlehead

Chelone glabra. *White Turtlehead*. 2 ft. July and August. Spikes of curiously shaped creamy white flowers. Does best in moist soil and likes some shade.

C. lyoni. *Pink Turtlehead*. 2 to 3 ft. August and September. Produces rosy purple flowers in profusion. Foliage dark glossy green. It prefers a moist half-shady situation.



White Doty
Lucifer

Glory of Seven Oaks
Captain Cook

CHRYSANTHEMUM

Under this name we find many of the daisy-like flowers referred to as Shasta Daisies, Arctic Daisies, Marguerites, Pyrethrums, and others, as well as the typical fall-blooming Chrysanthemums which are so useful for late color in the garden. All of them are of the easiest culture, thriving even under abuse, but they repay careful attention. Certainly no garden is complete without an adequate representation of this marvelous family of flowers.

***Chrysanthemum arcticum.** *Arctic Chrysanthemum.* 1½ ft. September and October. This charming plant forms an attractive rosette of dark green foliage, covered in September with multitudes of bluish-white, daisy-like flowers from 2 to 2½ inches in diameter.

C. coccineum. See Pyrethrum at end of Chrysanthemum list.

C. coreanum. *Korean Chrysanthemum.* 2 to 3 ft. September and October. A superb garden plant, coming into bloom before the first frosts. Flowers are single, 2 to 3 in. across, white at first, acquiring a rose-pink tinge with age. Showy in masses and charming when cut. Much more profuse and more graceful than the Maximum varieties. 90c. for 3, \$2.50 for 10.

C. maximum, Alaska. 2 ft. All summer. Large, white flowers which are splendid for cutting and much used by the florists.

C. maximum, Burbank's Frilled. 2½ ft. A gorgeous new variety, produced by the creator of the original Shasta Daisy. The large, white flowers have great substance and are beautifully undulated and frilled. The stock is scarce and in great demand. At the Harvard Botanic Garden, in Cambridge, it has been tremendously admired, and everyone who has seen it has demanded plants at once. We have watched it in our nursery with increasing enthusiasm from year to year and believe it is superior to existing varieties in size, floriferousness, habit, and form of flower. Strong plants, 75 cts. each.

C. maximum, King Edward. 3 ft. July to October. New. One of the largest and finest varieties, producing Marguerite-like flowers of glistening white.

CHRYSANTHEMUM, continued

C. maximum, Shasta Daisy. 2½ ft. One of the handsomest and hardiest. Remarkable for its gracefulness and the pure whiteness of its extremely large flowers which are desirable for cutting. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

C. maximum, The Speaker. 2½ ft. July to October. A new variety which has extremely large, ivory-white flowers nearly 6 inches in diameter. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

C. maximum, Triumph. 2 to 3 ft. Gigantic white flowers 4 inches across, on very long stems. Very showy.

C. uliginosum. *Giant Daisy.* 4 to 5 ft. July to September. A fine, tall-growing variety, bearing a profusion of large, pure white flowers with yellow centers; foliage light green. Desirable for shrubbery border. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

Named Hardy Chrysanthemums

Late in autumn, in the midst of frosts and freezes, these Hardy Chrysanthemums make the garden gay with color. They should be planted most generously in order to provide a brave display, for they are almost the only things in bloom at their season. They may be inter-planted with earlier flowers, or moved in to follow such things as Canterbury bells. A very successful way of handling them is to grow them all summer in an out-of-the-way place—a nursery or even in the vegetable-garden—and move them to the places where they are to flower when the ground is cleared of other plants. They may be moved when in full bloom without interfering with their beauty, and live on from year to year, spreading rapidly, but should have a light covering after the ground has frozen.

All named Hardy Chrysanthemums are 90 cts. for 3 of one kind, \$2.40 for 10 of one kind (5 of one kind sold at this rate), \$18 per 100 of one kind (25 of one kind sold at this rate). Do not order less than 3 of one kind. We cannot furnish 10 plants of 10 varieties for \$2.40.

Aberdeen. Pompon. Flowers of bright maroon.

Autumn Glow. Large flowers of rosy crimson.

Baby. Button type. Late flowering, yellow, and a big favorite.

Boston. Pompon. October and November. Golden bronze flowers with open center; tall and bushy.

Brutus. Pompon. Flowers of old-gold.

Captain Cook. Pompon. October and November. Dark rose, with brownish center.

Eve. October. Large flowers of rich, deep pink.

Excelsior. October. Large, single flowers of bronzy yellow.

Field of Snow. Pompon. Flowers of pure white.

Glory of Seven Oaks. Large flowers. September and October. Golden yellow. One of the best.

Golden Pheasant. Orange-yellow.

Hilda Wells. Late blooming, producing fine single flowers of brownish red, yellow at base.

Jacobus. Large; red.

James Boone. Pompon. Late. Pure white flowers in profuse sprays.

Julie Lagravere. Pompon. November. Rich velvety maroon.

Lucifer. Early, shaggy flowers of star-form. Deep ox-blood-red of great depth and brilliance.

Mrs. Albert Phillips. Single. Early October. Beautiful rosy pink and cream blooms. Very lovely.

Mrs. Collier. White; button.

Ocoito. Large flowers. October. Splendid pure white.

Old Homestead. Late. Large flowers of lavender-pink.

Ouray. Pompon. Rich mahogany-brown flowers of loose, graceful form.

Pauline Wilcox. Large flowers, yellow; bronze, mixed with red and gold. Loose, graceful sprays and clusters.

Petit Louis. Pompon. Late October. Rosy pink flowers with bronzy centers.



NAMED HARDY CHRYSANTHEMUMS, continued

Provence. Large flowers of rose-pink, tipped rosy red.
Ruby Queen. Small button-like flowers of dark ruby-red. Late.

Skibo. Pompon. Late bloomer. Yellow flowers.

Soleil d'Or. Pompon. Late. Bright bronzy orange.

Tints of Gold. Pompon. Early. Rich, golden yellow flowers of medium size.

Victory. Large flowers of snowy white.

White Doty. Pompon. October. Large pure white flowers with creamy center. One of the very finest. Tall grower.

CHRYSANTHEMUM COCCINEUM

Pyrethrum Roseum (*Painted Lady*)

Two feet. May and June. Most useful hardy flowers, thriving in almost any soil or situation, and when established thrive for many years without transplanting. There are many varieties, both single and double, and all are beautiful flowers in the border and unsurpassed for cutting. They should be planted in generous masses to give best effects. We list only single-flowering varieties as follows:

Hybrid Pyrethrums

Coccinea. Rich, reddish purple.

Elsie Gertrude. Pale flesh-pink; very large.

Hebe. Pure white with golden center.

James Kelway. Vivid scarlet; very large and free.

Nimrod. Large flowers of silvery rose.

Rosy Morn. Rose-pink; very pretty.

Any of the above varieties, \$1.05 for 3, \$3 for 10, \$24 per 100

Single Varieties, Mixed. 90 cts. for 3, \$2.40 for 10, \$18 per 100.

CIMICIFUGA • Bugbane

Cimicifuga foetida simplex. *Kamchatka Bugbane.* 3 to 4 ft. July. Slender racemes of densely packed creamy white flowers. Attractive both in flower and fruit. \$2.25 for 3, \$6 for 10.

C. racemosa. *Cobosb Bugbane.* 4 to 6 ft. July to September. A stately plant, with fine, long, elegantly twisted racemes of feathery white flowers. Effective against a dark background in a moist, shady corner. Fine for naturalizing. \$1.05 for 3, \$3 for 10, \$21 per 100.

CLEMATIS

Clematis heracleæfolia davidiana. *Fragrant Tube Clematis.* 3 ft. August and September. Bushy plants with whorls of hyacinth-like, sweetly scented, pale blue flowers. Leaves larger than any other variety.

C. integrifolia. 2 ft. June to August. Erect, bushy plants with handsome foliage and nodding, narrow-petaled flowers. A fine border plant. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

C. recta. *Ground Clematis.* 3 to 4 ft. Tufted plants with large panicles of small, fragrant, white flowers on long stalks. \$1.05 for 3, \$3 for 10, \$21 per 100.

For other Clematis see section devoted to Vines and Climbing Plants

CONVALLARIA

Convallaria majalis. *Lily-of-the-Valley.* 8 in. May, June. So familiar to everyone that we scarcely need to describe it. Large, luxuriant foliage, with sprays of small, bell-shaped flowers of most delightful fragrance. Clumps, 50 cts. each, \$4.50 for 10, \$40 per 100; Strong Pips, 50 cts. for 3, \$1 for 10, \$7.50 per 100.

COPTIS

***Coptis trifolia.** *Goldthread.* A little low evergreen, with bright shiny leaves and white flowers. Will thrive in shade and moist, peaty ground. A pretty and unusual plant with curious flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

COREOPSIS

A group of splendid bedding and cutting flowers, mostly in clear, bright shades of yellow, with strong, wiry stems. They bloom over a very long season and are invaluable for maintaining continuous color and life in the garden.

Coreopsis delphinifolia. *Larkspur Coreopsis.* 2 ft. July to September. Deeply cut foliage and yellow flowers 2 inches across, with dark brown disk. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

C. grandiflora. *Big Coreopsis.* 2 to 3 ft. May to November. Very large, golden yellow flowers. Superb for cutting. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

C. lanceolata. *Lance Coreopsis.* 2 ft. June to September. Large, cosmos-like flowers of pure yellow. An excellent showy garden plant and beautiful when cut. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***C. rosea.** *Rose Coreopsis.* 1 ft. July and August. Beautiful rosy pink flowers, with yellow centers. A fine rock-plant. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

C. verticillata. *Threadleaf Coreopsis.* 1½ to 2 ft. June to September. A pretty variety with narrow, dark green foliage and small, lemon-yellow flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

CORONILLA

***Coronilla varia.** *Crownvetch.* 1 to 2 ft. June to October. A trailing plant with showy pink, pea-shaped flowers. Fine for covering rough banks and ledges.



Hybrid Pyrethrums

Unless otherwise noted, all Perennials are 90 cts. for 3, \$2.40 for 10, \$18 per 100



CYNANCHUM

Cynanchum acuminatifolium. *Mosquito-trap.* A curious plant frequently confused with *Amsonia tabernaemontana*, but has clusters of white flowers which catch and destroy insects.

CYPRIPEDIUM

Cypripedium acaule. *Pink Ladyslipper.* 1 to 1½ ft. May, June. A hardy native Orchid, with curious pocket-like flowers of vinous pink. It does best in a dry, sourish soil in open places in a woods, or in a half-shady border. From 4-in. pots.

DELPHINIUM • Larkspur

More and more we rely upon the Hardy Larkspurs for the wonderful tints and shades of blue, lavender, and purple which they provide. Incredible improvements have been made in the types and size of the older kinds, so that the new beauties are almost unbelievable until one has grown them. They should be well cared for, given a good soil and an occasional taste of lime, which will improve their foliage and color.

Delphinium elatum. *Bee Larkspur.* 5 to 6 ft. June to September. Dark blue flowers in long spikes. If plants are cut back when through flowering, they will blossom a second time.



The snowy flowers of Moerheimi Improved Delphinium

DELPHINIUM, continued

- D. formosum.** *Hardy Larkspur* 3 to 4 ft. June and July. A splendid old hardy plant, with rich blue flowers, tinged with purple, and having white eye. One of the finest for permanent effects because it persists so long.
- D. formosum belladonna.** Pale blue flowers, occasionally touched with mauve, in spreading sprays which bloom almost all season. This is especially good near pink rambler roses or among Madonna lilies.
- D. formosum bellamosum.** Dark blue form of Belladonna.
- D. formosum coelestinum.** *Sky-blue Larkspur.* A light blue form of Formosum.
- D., Gold Medal Hybrids.** 3 to 5 ft. June and July. Stately, decorative plants for masses, beds, and clumps. The flowers range in color from light azure to deep blue and from delicate lavender to purple. A splendid strain of high-class Delphiniums for mass planting and general garden effects.
- D. grandiflorum chinense.** *Slender Larkspur.* 2 to 3 ft. June to August. One of the finest of the lower-growing types, with numerous very large flowers of varying shades of blue, lilac, mauve, and pale blue.
- D. grandiflorum album.** *White Siberian Larkspur.* A pure white-flowering form.
- D. grandiflorum azureum.** A selected pure blue form. Very choice.

Named Delphiniums

The following list represents a careful selection from the many improved, named varieties which have been imported and tested. These are hybrids of many types and vary tremendously in height, form of spike, and in delicacy of shades and combinations of tints. They are the supreme product of the best hybridizers, and we recommend them highly.

- Amos Perry.** 2 ft. June to August. Semi-double flower, 2½ inches across, sky-blue outside, and rosy mauve in the center with a brown hue. 90 cts. each, \$7.50 for 10.
- Bay State Seedling.** An unusual variety with double, delicate mauve blossoms. 90 cts. each, \$7.50 for 10.
- J. C. Jenkins.** Large, single, light blue blooms, edged with royal-blue; white eye. 90 cts. each, \$7.50 for 10.
- King of Delphiniums.** 6 ft. The vigorous plant grows to immense size, and bears spikes of double, rich deep blue flowers, over 2 inches across, with large white eye. 90 cts. each, \$7.50 for 10.
- Lamartine.** 3 to 4 ft. Large, single, dark gentian-blue flowers, borne on branching plants similar to Belladonna in habit. 90 cts. each, \$7.50 for 10.
- Langport Glory.** Brilliant deep blue flowers, with large white rosette center touched plum-purple. 90 cts. each, \$7.50 for 10.
- Moerheimi.** 5 to 6 ft. June until autumn. A beautiful new hybrid producing pure white flowers without any shading. A free and continuous bloomer. 90 cts. each, \$7.50 for 10.
- Moerheimi Improved.** 5 to 6 ft. June to October. Strong, hardy grower with larger, whiter flowers than the preceding. 90 cts. each, \$7.50 for 10.
- Mrs. James Kelway.** 5 ft. Round, compact spikes of semi-double, pale sky-blue flowers, with pink inner petals, and large white eyes. 90 cts. each, \$7.50 for 10.
- Rosenlust.** Large, double flowers of soft sky-blue, inner petals silvery rose, with a large, white center. 90 cts. each, \$7.50 for 10.
- Smoke of War.** Big, bold, semi-double flowers of deepest reddish violet and purple, with a prominent black center. 90 cts. each, \$7.50 for 10.
- Star of Langport.** 6 ft. Very large, single flowers of delicate pale blue, with large white eye. One of the finest Delphiniums. 90 cts. each, \$7.50 for 10.
- True Blue.** A very showy flower of the finest blue. 90 cts. each, \$7.50 for 10.



DIANTHUS · Pink

Delightful edging or border plants, also including a great many excellent rock-plants. The Dianthus family is extensive and has long been one of the most popular garden flowers, embracing the fragrant, old-fashioned Pinks and Carnations, and the charming China Pinks and the beloved Sweet Williams. As a race they like good soil and a situation which will be dry in winter. They should be planted in masses to get the best effects.

***Dianthus arenarius.** *Sand-loving Pink.* 5 to 8 in. July to September. White, fragrant flowers, with occasional purple tints, produced in masses over the mat-like foliage. An excellent rock-plant.

D. allwoodi. *Allwood's Pinks.* 12 to 15 in. May to October. An ever-flowering race of Pinks, with very fragrant, single or double flowers on long stems suitable for cutting or garden decoration. The colors run through many shades of white, pink, and crimson.

D. allwoodi, Jean. Pure white, with deep violet-crimson center. \$1.05 for 3, \$3 for 10.

D. allwoodi, Robert. A delicate shade of old-rose, with light maroon center. \$1.05 for 3, \$3 for 10.

D. barbatus. *Sweet William.* 10 to 20 in. June and July. One of the oldest garden flowers, which perpetuates itself by self-sowing. Flat heads of fringed flowers, many marked with a distinct eye, varying through shades of pink, red, and white. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

D. barbatus, Newport Pink. An especially choice variety of a lovely salmon-pink color.

D. barbatus, Scarlet Beauty. A deep rich scarlet. For Double Sweet William, see *D. latifolius*

***D. caesi.** *Cheeddar Pink.* 3 to 6 in. May to July. Makes close tufts of grayish foliage from which it produces its delicate pink, fragrant flowers. Excellent in sunny place in the rock garden or as an edging.

D. caryophyllus. *Hardy Carnations.* 12 to 20 in. June and July. Fine double-flowering border plants producing great quantities of lovely pink, scented flowers which are splendid for cutting or garden decoration.

D. caryophyllus, Grenadin. 12 in. A fine double-flowering scarlet type of compact growth.

D. caryophyllus, Grenadin White. A white variety which is a delightful border plant.

D. chinensis Heddeewigi. *Heddeewig Pink.* 6 to 9 in. June to autumn. Flowers are very large and vary from pure white to richest crimson, many curiously marbled and streaked and fringed. Very charming.

***D. deltoides.** *Maiden Pink.* 6 in. June and July. One of the prettiest border Pinks of creeping habit, with dark red and crimson-eyed flowers. Good for rock garden.

***D. deltoides albus.** *White Maiden Pink.* 6 in. June and July. A variety with white flowers.

***D. deltoides, Brilliant.** 6 to 9 in. June and July. An improved variety with tiny, rosy crimson flowers.

***D. dentosus.** *Ragged Pink.* 6 in. June and July. Flowers single, fringed and zoned on purple base, much like *D. chinensis* in appearance. Not fragrant. Very pretty and informal among rocks or in border.

***D. latifolius atrococcineus fl.-pl.** *Double Cluster Pink.* 6 to 8 in. June to October. A hybrid, ever-blooming Sweet William, producing masses of the brilliant, double, fiery crimson flowers. Excellent for border or rock garden. 90 cts. for 3, \$2.40 for 10.

***D. plumarius.** *Grass Pink.* 9 to 12 in. June. Pink, purplish, and white, fragrant flowers. An old-fashioned favorite much used for edging and bedding. Especially good for border or rock garden. Blooms continuously if flowers are cut when they begin to fade. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

D. plumarius semperflorens. *Perpetual Pink.* Charming pink flowers produced throughout the summer. 75 cts. for 3, \$2.20 for 10, \$15 per 100.



Dianthus deltoides. Maiden Pink

DIANTHUS, continued

***D. speciosus.** Lacy, fragrant flowers of lavender-pink, especially adapted to hot and dry positions

D. superbus. *Lilac Pink.* 10 to 20 in. June to August. A charming variety, with fringed lavender-pink flowers which are very fragrant.

Hardy Garden Pinks

This group contains hybrids of many of the preceding species and selected garden strains. All are charming subjects, most of which are delightful when cut, for the delicate poise of the flowers and their delicious fragrance. To enjoy them fully they should be planted in masses. They make compact cushions of gray foliage which is very decorative in the border or when used for edging.

Abbotsford. Rich crimson flowers, marked white.

***Carmen.** Light pink; fragrant.

Delicata. 12 in. May and June. Large, single flowers of rose-pink sometimes striped with red. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

***Essex Witch.** Bright but delicate pink, finely fringed flowers.

***Fürst Bismarck.** 6 to 8 in. Never out of bloom during summer. Same shade as Paul Neyron rose, slightly darker. Dark green foliage. Lovely hardy Pink. \$1.05 for 3, \$3 for 10.

***Her Majesty.** Very large, smooth-edged flowers of pure, glistening white.

***Homer.** Rosy red, with a dark center. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***Juliet.** White, laced with lines of rich crimson.

***Lord Lyons.** A beautiful, fully double variety of soft lavender-pink.

***Louisa M. Alcott.** Large, deep pink.

***Mrs. Sinkins.** Large, white, fragrant fringed flowers delightful for cutting. 90 cts. for 3, \$2.40 for 10.

***Rose de May.** 9 to 15 in. Everyone who has seen this Pink has liked it. The delicate pink blossoms, which are borne steadily throughout the summer, will delight you with their exquisite fragrance. Add several of them to your garden. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***White Reserve.** Exceptionally fragrant, pure white flowers produced continuously.



DICENTRA

- *Dicentra eximia.** *Fringed Bleeding-heart.* 1 ft. All summer. A delicate-looking, plume-like plant with fern-like foliage and drooping racemes of curious rose-colored blooms. Excellent in shady places, rock garden, and mixed border. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *D. formosa.** *Western Bleeding-heart.* 15 in. April to August. A dwarf species similar to the preceding, with finely cut foliage and showy pink flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- D. spectabilis.** *Bleeding-heart.* 2 ft. Late April to July. Large, rosy red, heart-shaped flowers. A fine old-fashioned flower desirable for planting in the shade. 75 cts. each, \$7 for 10.

DICTAMNUS • Gas Plant

- Dictamnus alba.** *Gas Plant.* 2 to 3 ft. June and July. An old garden favorite, with white flowers which will sometimes give a flash of light on a summer evening when a lighted match is held near the base of the flower-spike, leaving a strong scent of lemons. A fine permanent border plant which endures for many years. \$1.20 for 3, \$3.50 for 10.
- D. albus ruber.** *Purple Gas Plant.* 2 to 3 ft. June and July. Similar to the above, but has very fragrant flowers of reddish color. \$1.20 for 3, \$3.50 for 10, \$25 per 100.
- D. albus caucasicus.** *Giant Gas Plant.* 3 to 4 ft. June and July. Similar to *D. albus* but larger in all respects, producing flower-spikes fully twice as long. \$1.35 for 3, \$4 for 10, \$35 per 100.

DIGITALIS • Foxglove

There is an uncommon dignity and stateliness to the Foxgloves which make them invaluable for permanent and settled effects in the garden. They seem to add an air of calmness and peace to any situation, and are best at the back of the border, or grouped in a little bay in the shrubbery. Should be planted in bold masses to get best effect.

- Digitalis ambigua.** *Yellow Foxglove.* 2 to 3 ft. June and July. A hardy plant, with slender spikes of medium-size yellowish flowers, marked with brown. Effective in groups in wild garden and when near pale mauve or magenta flowers.



Erigeron speciosus. Oregon Fleabane

DIGITALIS, continued

- D. lanata.** *Grecian Foxglove.* 2 to 3 ft. July and August. A slender persistent perennial, with spikes of rather small grayish or purplish yellow flowers. A very different and interesting form.
- D. purpurea.** *Common Foxglove.* 2 to 3 ft. July to September. Handsome tubular flowers in tall terminal racemes. The blooms are purple on the outside, marked inside with dark purple spots, edged with white. The old-fashioned garden favorite adapted to wild garden or border, or for planting among shrubbery.
- D. purpurea alba.** *Common White Foxglove.* A beautiful white form of the common Foxglove.
- D. purpurea gloxiniflora.** *Gloxinia Foxglove.* 3 to 4 ft. June and July. A highly improved popular variety, with large flowers ranging from pure white to deep purple. Robust habit.
- D. purpurea gloxiniflora rosea.** 2 to 3 ft. June and July. A selected form with charming rose-colored flowers.

DODECATHEON

- *Dodecatheon meadia.** *Common Shootingstar.* 1 to 2 ft. May and June. A tufted plant from which arise tall slender stems bearing a cluster of rose-colored flowers like small cyclamens, with the petals bent backward and the stamens forming a sharp point. A most interesting and beautiful plant for grouping in shady places. 90 cts. for 3, \$2.40 for 10.

DORONICUM • Leopardbane

- Doronicum caucasicum.** *Caucasian Leopardbane.* 1 ft. May and June. Yellow daisy-like flowers generally borne one to a stem. Succeeds well in ordinary soil and is very good for cutting. 50 cts. each, \$4 for 10.
- D. clusi.** *Downy Leopardbane.* 2 ft. Larger flowers than *D. caucasicum* and blooms a little later. The foliage and stems are covered with silky hairs. 50 cts. each, \$4 for 10.
- D. magnificum.** *Sunflower Leopardbane.* A very attractive sort with large flowers resembling a single Sunflower. 50 cts. each, \$4 for 10, \$36 per 100.
- D. plantagineum excelsum.** *Showy Leopardbane.* 2 to 3 ft. May and June. Vigorous, bushy plants with showy orange-yellow flowers about 4 inches across. 50 cts. each, \$4 for 10, \$36 per 100.

ECHINACEA

- Echinacea purpurea.** *Purple Coneflower.* 2 to 3½ ft. July and August. Large, reddish purple, daisy-like flowers, with drooping rays which increase in length as the flower opens. Very showy, vigorous plants.

EPILOBIUM

- Epilobium angustifolium.** *Blooming Sally.* 3 to 4 ft. June to August. A very handsome plant which spreads rapidly. Valuable for shrubberies or along streams, producing showy spikes of clear red flowers.

ECHINOPS • Globe Thistle

- Echinops pumilum.** *Globe Thistle.* 3 ft. August. Dark blue heads, somewhat smaller than *E. ritro*. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- E. ritro.** *Steel Globe Thistle.* 4 ft. July and August. Handsome thistle-like foliage and large, globular heads of blue flowers. A wild-garden plant and looks well combined with yellow *Helianthus* or even *Bocconia cordata*.
- E. sphærocephalus.** *Common Globe Thistle.* 5 to 7 ft. A much more vigorous background plant, with bluish flowers and yellowish spines. 75 cts. for 3, \$2.20 for 10, \$15 per 100.



EPIGÆA • Trailing Arbutus

***Epigæa repens.** *Trailing Arbutus.* 4 in. April, May, or earlier. Matted evergreen sub-shrub or trailer with clusters of intensely fragrant, delicately pink flowers, of exquisite beauty. Give it shade, good drainage, and a *sour*, peaty soil. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

EPIMEDIUM

Choice plants for the rock garden or shady places in the border. They belong to the very interesting Barberry family, all of which are curious and beautiful. They do well in most soils. The foliage of all is attractive in autumn.

***Epimedium alpinum.** *Alpine Epimedium.* 9 in. May and June. A charming little plant with bronzy foliage and sprays of curious, spurred flowers of grayish red and yellow. 50 cts. each, \$4.50 for 10.

***E. macranthum niveum.** *Snowy Epimedium.* 9 in. April and July. A very pretty plant with leaves in groups of three and clusters of pure white flowers with prominent spurs. One of the finest. 50 cts. each, \$4.50 for 10.

***E. pinnatum elegans.** 9 in. June to August. A woollier plant than the previous kinds, with many bright yellow and red flowers. Very pretty. 50 cts. each.

***E. pinnatum sulphureum.** 8 to 10 in. April to July. A form similar to the preceding but with large, pale yellow flowers of almost orchid-like quality. A very precious little plant. 50 cts. each, \$4.50 for 10.

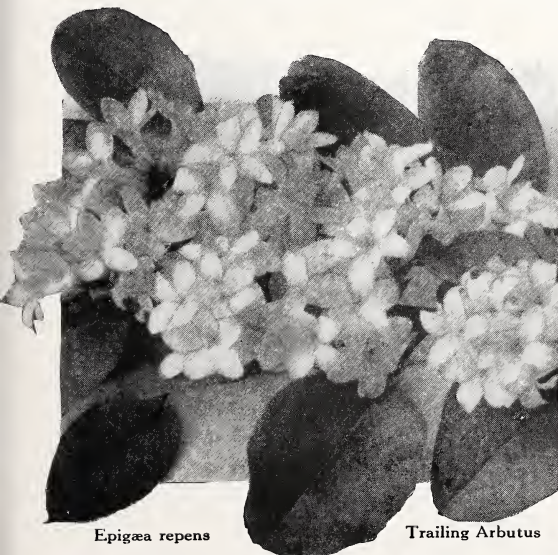
ERINUS

***Erinus alpinus.** *Alpine Liver Balsam.* 3 to 4 in. April to June. A tiny plant suitable for massing on banks or among stones which it covers with a mantle of rosy purple flowers. \$1.05 for 3, \$3 for 10.

***E. alpinus hirsutus.** 3 to 4 in. A rougher, more vigorous form of the foregoing with hairy foliage and violet-red flowers. \$1.05 for 3, \$3 for 10.

ERIGERON • Fleabane

Perennials of very easy culture, producing aster-like flowers on slender stems rising from a compact rosette of foliage. They bloom early and are very showy planted in masses in the border or rockery,



Epigæa repens

Trailing Arbutus



Dictamnus alba. Gas Plant

ERIGERON, continued

showing up much better in big clumps than as scattered plants.

***Erigeron aurantiacus.** *Orange Fleabane.* 9 in. July and August. A very showy plant with solitary, daisy-like, glowing orange flowers unlike any others in the family. Pretty when massed in wild garden or border. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***E. caucasicus.** 12 in. Early. Large flowers with bright violet rays and rich yellow centers. \$1.50 for 3, \$4 for 10.

***E. coulteri.** 15 in. July. A native of the Rocky Mountains, producing charming pearly white flowers, two or three together on slender stems.

***E. glabellus.** *Smooth Fleabane.* 6 to 8 in. Large flowers with small golden eye. Rays very slender and violet-purple. Attractive and variable in height, blooming in clusters on slender leafless stems.

***E. speciosus.** *Oregon Fleabane.* 2 ft. June and July. Large, handsome blue flowers, tinted violet, with yellow centers. Very desirable for cutting. Plant in masses in rock garden or border.

***E., Quakeress.** 18 in. June and July. A choice hybrid variety with mauve-pink flowers frequently borne all season.

ERYNGIUM • Eryngo

***Eryngium alpinum.** *Bluetop Eryngo.* 2 ft. A bold, picturesque plant with numerous heads of flowers of attractive blue, which color extends to the leaves of the upper part of the plant.

***E. amethystinum.** *Amethyst Eryngo.* 2 ft. June to September. The handsome flowers, foliage, and stems are deep amethyst-blue. A useful plant for winter decoration, the spikes being cut when colored and dried.

***E. aquaticum.** *Button Snakeroot.* 2 to 6 ft. A strong, erect plant suited to wet soil. The bluish heads are large and attractive.

ERYSIMUM

***Erysimum pulchellum.** *Rockery Blister Cress.* 6 to 12 in. A dwarf rock plant bearing tufts of brilliant orange-yellow flowers. Closely related to the wall-flowers.



EUPATORIUM

- Eupatorium aromaticum melissoides (frazieri).** *Melissa Thoroughwort.* 2 to 3 ft. August to October. Delicate white flowers in large terminal heads. Useful for cutting and grows well in poor, sandy soil.
- E. coelestinum.** *Mistflower.* 2 ft. August to October. A wiry plant producing heads of misty flowers of delicate heliotrope-purple. Splendid late fall flower for mass planting, blending well with early yellow chrysanthemums. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- E. purpureum.** *Joe-Pye-Weed.* 6 to 7 ft. Autumn. A gigantic perennial with whorled leaves and branching heads of purple flowers 18 inches across. Naturalizes well on banks of streams or wet meadow-land. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- E. urticifolium (ageratoides).** *Snow Thoroughwort.* 2 to 3 ft. August and September. A superb native plant with handsome heads of feathery pure white flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

EUPHORBIA

- Euphorbia corollata.** *Flowering Spurge.* 18 in. July and August. An erect plant bearing broad clusters of pure white flowers with green eye which can be used like gypsophila for mixing with other flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- E. epithymoides.** *Cuscion Spurge.* 12 in. July. Mounded, symmetrical plants with showy yellow flower-heads of great beauty. A very handsome border plant. \$1.05 for 3, \$3 for 10.
- E. myrsinites.** 4 to 6 in. May and June. A very pretty creeper with thick bluish leaves and yellow-orange flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

HARDY FERNS

The Ferns of New England take as readily to cultivation as the common garden flowers. While flowers require a sunny place, Ferns delight in some shady nook; they also can be grown in boxes or pans on the porch, in the house or under trees, any place that is shady, but are not suitable for house culture in winter, for that is their time of rest.

The price of all hardy Ferns is 90 cts. for 3 of a kind, \$2.40 for 10, \$18 per 100

- *Adiantum pedatum.** *American Maidenhair Fern.* 12 to 15 in. One of the finest native Ferns. Grows with exceedingly graceful fan-like foliage which produces a handsome effect when massed in broad patches. Plant 8 inches apart.
- *Asplenium platyneuron (ebeneum).** *Ebony Splenwort.* 6 to 15 in. A splendid Fern for stony places and in dry woodlands and very desirable for rock-garden work.
- *Athyrum filix-femina.** *Lady Fern.* 2 to 3 ft. Finely cut foliage of rich green, making a handsome specimen plant if well grown in moist soil, either in sun or shade. Massed $2\frac{1}{2}$ to 3 feet apart it makes a splendid rich display.
- *Cryptogramma acrostichoides.** *American Rock-brake.* 6 in. A small, evergreen Fern of delightful form which is eminently adapted to the rock garden and for edging shady borders.
- *Dennstedtia punctilobula.** *Hay-scented Fern.* $1\frac{1}{2}$ to 2 ft. A good massing Fern, with broad fronds. Increases rapidly and good for naturalizing.
- Dryopteris goldiana.** *Goldie's Fern.* 2 to 4 ft. Very stately Fern with handsome fronds 12 to 18 inches wide. Its unusual beauty and grace make it desirable in all fern-plantings.
- *D. marginalis.** *Leather Woodfern.* 2 ft. An evergreen species with leathery, rather stiff foliage, adapted especially to rocky places. Good when cut for mixing with flowers.
- D. spinulosa.** *Toothed Woodfern.* $1\frac{1}{2}$ to 2 ft. Very strong evergreen Fern which makes a splendid ground-cover under shrubs and deserves a place in any collection of Ferns.

HARDY FERNS, continued

- Onoclea sensibilis.** *Sensitive Fern.* 1 ft. A rather rough Fern with large, triangular fronds. It likes a moist situation and will grow in places too wet for other Ferns.
- Osmunda cinnamomea.** *Cinnamon Fern.* 2 to 6 ft. Very handsome Fern of perfect habit with big fronds in circular clusters. Woolly when young and its big "fiddleheads" are interesting and amusing in the spring. Likes rich, moist soil, where it develops noble proportions.
- O. regalis.** *Royal Fern.* 2 to 10 ft. This very handsome form grows to perfection in thin shade with plenty of moisture. Its spore-bearing fronds rise high above the plant and are most unusual.
- Polypodium vulgare.** *Common Polypody.* 4 to 10 in. A good evergreen Fern for rockwork and borders, forming mats of durable foliage. Plant in well-drained soil, about 4 to 5 inches apart.
- *Polystichum acrostichoides.** *Christmas Fern.* 1 ft. Very hardy evergreen Fern which is useful in almost all positions, especially in the rockery. Very pretty and needs only common, well-drained soil.
- Pteritis nodulosa.** *Ostrich Fern.* 2 to 4 ft. One of the handsomest, with big feathery fronds 6 to 10 inches wide. Good at the background of other Ferns or suitable as a specimen. It needs good soil, and will thrive in the sunlight.
- *Woodwardia areolata (angustifolia).** *Chain Fern.* 1 ft. A delightful little Fern with fronds 3 to 4 inches wide. It grows in bogs, but adapts itself to the highest rock gardens.

FESTUCA • Fescue

- *Festuca glauca.** *Blue Fescue.* 12 to 15 in. An ornamental grass which makes dense tufts of very narrow bluish leaves, excellent in contrast with darker foliage. Desirable for rock garden or edging purposes.

FILIPENDULA • Meadowsweet

These are handsome, spirea-like flowers blooming in early midsummer. They delight in cool, rich soil, and look especially well at the back of the border, where their fern-like foliage and feathery and foamy flowers form an admirable background for the plants in front of them. Plant them in bold, broad masses or considerable drifts to give a permanent, stable effect.

- Filipendula camtschatica (Spiraea gigantea).** *Kamchatka Meadowsweet.* 5 to 10 ft. July. A bold, background plant with frothy, white flowers held well above the foliage.
- *F. hexapetala (Spiraea filipendula).** *Dropwort.* 2 to 3 ft. June and July. This fine perennial bears clusters of rather large, cream-white flowers. It prefers a rather dry situation in full sunlight.
- *F. hexapetala flore-pleno.** *Double Dropwort.* 12 to 15 in. A handsome double flowering Form of the preceding. 90 cts. for 3, \$2.40 for 10.
- F. purpurea (Spiraea palmata).** *Japanese Meadowsweet.* 2 to 4 ft. June to August. Undoubtedly the finest of the Meadowsweets, with carmine or dark pink flowers in large clusters on strong wiry dark crimson stems. Very desirable. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- F. purpurea alba.** *White Japanese Meadowsweet.* 2 to 4 ft. June to August. A dainty white variation of the preceding. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- F. purpurea elegans.** *Showy Japanese Meadowsweet.* 2 to 4 ft. June to August. A pretty white-flowering type with red stamens, giving a most elegant effect.
- F. rubra venusta.** *Carmine Meadowsweet.* 4 to 5 ft. June and July. A vigorous plant for the back of the border with very large heads of rich, carmine-pink flowers. \$1.05 for 3, \$3 for 10, \$24 per 100.



Filipendula ulmaria. Queen of the Meadows

FILIPENDULA, continued

- F. ulmaria.** *Queen of the Meadows.* 4 to 5 ft. June, and August. Pure white foam-like, fragrant flowers in dense heads. A fine, old-fashioned garden plant, very widely cultivated. 90 cts. for 3, \$2.40 for 10.
- F. ulmaria flore-pleno.** *Double European Meadow-sweet.* 3 to 4 ft. June to August. Dense panicles of double white flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

GAILLARDIA

- Gaillardia aristata.** *Common Perennial Gaillardia.* 1½ to 2 ft. June to November. The blooms are 2 to 3 inches across with dark red and brown centers, and orange, crimson, and red rays shaped into rings of color. 90 cts. for 3, \$2.50 for 10, \$20 per 100.
- G. aristata grandiflora.** 2 ft. July to autumn. Large, gorgeous flowers of crimson and gold are borne throughout the season. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- G. aristata maxima.** 2 ft. July to autumn. The flowers are intense blood-crimson, margined with golden yellow. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- G. aristata, Portola.** A much improved variety with flowers of exceptional size and substance, brilliantly colored. This is a decided improvement in color, habit, and refinement over the varieties commonly grown. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

GALEGA • Goatsrue

- Galega heldreichi.** 2 to 3 ft. June to frost. Very bushy plants with large lavender flowers like pea blossoms, borne in fine clusters. A good and seldom seen perennial. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- G. officinalis.** *Common Goatsrue.* 2 to 3 ft. June to September. A slender, bushy plant with lilac-purple flowers in compact racemes.
- G. officinalis alba.** *Albino Goatsrue.* Form and habit same as the above, but flowers are white. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- G. officinalis hartlandi.** *Hartland Goatsrue.* An excellent form of the Common Goatsrue with variegated flowers of white and lavender. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

GALIUM

- ***Galium boreale.** *Northern Bedstraw.* 2 to 3 ft. June to September. The delicate sprays of minute white flowers and fine slender leaves in whorls make this an excellent variety for cutting, giving a light, airy effect to masses of heavier flowers. Desirable for rock gardens.

GERANIUM • Cranesbill

A group of delightful spring-flowering plants which are very effective among stones and in semi-shaded places. The common Wild Geranium is one of the handsomest wild flowers, and it takes kindly to cultivation. It blooms with the pale yellow *Rosa bugonis* and makes a delightful combination of color when planted beneath and in front of that shrub.

- ***Geranium grandiflorum.** *Lilac Cranesbill.* 1 ft. June to August. Large, open, violet-blue flowers with a satiny luster. Especially suited to rock gardens.
- G. maculatum.** 12 to 18 in. April to August. The Wild Geranium of our woods and fields. Its rather large, light purple flowers are borne in loose clusters above the mound of foliage. A delightful plant which takes kindly to gardens and may be successfully combined with many other flowers.
- ***G. sanguineum.** *Bloodred Cranesbill.* 18 in. May to October. The plants are of compact habit, with bright blood-red flowers. Good for wild garden, rock garden, or border.
- ***G. sanguineum album.** *White Cranesbill.* 1 ft. May to July. A pure white-flowered form of above. Grand rock garden or border plant.
- ***G. sylvaticum.** *Wood Geranium.* 2 ft. June and July. Upright plant with soft, hairy stems, and interesting leaves. The flowers are rosy purple and come in sparse clusters. \$1.05 for 3, \$3 for 10.

GEUM • Avens

- Geum chilense.** 1 to 1½ ft. May to July. Bright red, single flowers in terminal clusters, very bright and showy. A good low, border plant. \$1.50 for 3, \$4 for 10.
- G. chilense atrosanguineum atrococcineum fl.-pl.** Dwarf plant with dark red, rose-like flowers. Similar to *G. atrosanguineum*, but flowers are larger and more double.
- G. chilense, Mrs. Bradshaw.** 12 to 15 in. June to September. A very choice variety with large, double, brilliant scarlet flowers. \$1.05 for 3, \$3 for 10, \$20 per 100.
- G. montanum heldreichi.** *Orange Geum.* 1 ft. An erect little plant with large, very vivid orange-yellow flowers. Very ornamental and showy, both for cutting and garden display. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



*Gypsophila
paniculata fl.-pl.
Bristol Fairy*

GILLENIA

Gillenia trifoliata. *Bowmansroot.* 3 ft. June to July. A graceful spirea-like plant, with slender, dark red stems, clothed with pretty, star-shaped, rose-pink and white flowers. Effective planted liberally with lilies and irises. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

GLADIOLUS BULBS

Most gardeners find that Gladiolus interplanted with the early-flowering perennials, shoot up among them, and take possession of their space when they are through blooming, thus giving a second period of very desirable bloom. Of course, they are splendid when bedded by themselves, and that is really the best way to grow them for either garden display or for fine, individual cut spikes.

Our list of Gladiolus is not long, but it includes splendid varieties in a fine assortment of colors. We offer good, first-class bulbs of flowering size.

Alice Tiplady. Orange-saffron. 45 cts. for 3, \$1 for 10, \$9 per 100.

Baron Hulot. Deep violet-blue. 45 cts. for 3, \$1 for 10, \$9 per 100.

Carmen Sylva. Snow-white veined lilac. 75 cts. for 3, \$2.20 for 10.

Diana. Very handsome red; strong grower. 60 cts. for 3, \$1.50 for 10, \$12 per 100.

Empress of India. Rich dark red. 45 cts. for 3, \$1.20 for 10, \$10 per 100.

Flora. Beautiful golden yellow. 60 cts. for 3, \$1.50 for 10.

Gretchen Zang. Soft pink, shading into salmon; tall spikes. 45 cts. for 3, \$1 for 10, \$9 per 100.

Herada. Pure, glistening mauve; long straight spikes. 45 cts. for 3, \$1.20 for 10.

Le Marechal Foch. Delicate rosy pink. 45 cts. for 3, \$1.20 for 10, \$10 per 100.

Purple Glory. Velvety maroon, with dark blotches; ruffled. 60 cts. for 3, \$2 for 10.

Schwaben. Pure canary-yellow, shading to soft sulphur-yellow. 45 cts. for 3, \$1.20 for 10, \$10 per 100.

GYPSOPHILA

Essential plants in every garden, not so much for their own flowers as for the assistance they render by contrast of color and form to showier plants. This use extends to the cut flowers which are an important part of every artistic flower arrangement. No satisfactory substitute exists for the feathery, airy grace of Baby's Breath in bouquets of showier, heavier flowers.

Gypsophila acutifolia. *Green Gypsophila.* 2 to 3 ft. July and August. A plant of feathery habit similar to the popular *G. paniculata* but much brighter and greener bearing. Rose colored flowers in large panicles. A fine border plant. 90 cts. for 3, \$2.40 for 10.

***G. cerastioides.** *Mouse-Ear Gypsophila.* 3 to 4 in. A woolly little plant which forms a dense mat-like growth over rockwork or along edgings, and covers itself with large lilac or white flowers veined pink.

G. paniculata. *Baby's Breath.* 2 to 3 ft. July and August. A very popular, graceful plant good in the border and large rock garden, where it has a charming, misty, soft gray quality. Flowers small, white, in large, loose panicles, excellent for cutting and mixing with other flowers.

G. paniculata flore-pleno. *Double Baby's Breath.* 3 ft. July and August. A beautiful, double, white-flowering form of the above. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

G. paniculata fl.-pl., Bristol Fairy. 2 to 3 ft. June to October. This is a highly improved form of the preceding variety, with flowers two to three times as big, beginning to bloom two weeks earlier and continuing throughout the whole season, blooming on the tips of new side shoots. The flowers are larger, double, with a clearness of color lacking in the older type; and graceful, delicate, and misty as it was, Bristol Fairy is superior. The stock is still very limited. 75 cts. each, \$6 for 10, \$50 per 100.

***C. repens.** *Creeping Gypsophila.* 6 in. June and July. This trailing, spreading plant is fine for steps and rock garden, with myriads of tiny, white flowers in graceful panicles.

Unless otherwise noted, all Perennials are 90 cts. for 3, \$2.40 for 10, \$18 per 100



HELENIUM • Sneezeweed

An important group of late summer and autumn flowers, bearing some resemblance to the rather common daisy-like type of flower, but distinguished by curiously reflexed rays and a profusion of massed bloom which is quite distinct. The colors are warm and lively, and combine well with other autumn flowers to give color and comfort to the late season. For best effect, of course, they should be planted in broad masses against the shrubbery, and in particular they look well with some of the misty lavender hardy asters.

Helenium autumnale. *Common Sneezeweed.* 4 to 6 ft. August and September. An elegant autumn plant with showy golden yellow flowers borne at the top of branching stems. Suitable for planting among shrubbery.

H. autumnale pumilum. *Dwarf Sneezeweed.* 1 to 2 ft. August and September. A very free-flowering dwarf sort much liked for cut flowers and the front of the border. \$1.50 for 3, \$4 for 10.

H. autumnale pumilum magnificum. 1½ ft. June to September. A very fine and vigorous plant which produces throughout the summer a continuous supply of splendid, soft, pale yellow flowers. \$1.50 for 3, \$4 for 10.

H. autumnale, Riverton Beauty. 4 to 5 ft. August to October. A distinct novelty. Its flowers are of a rich lemon-yellow with a large cone of purplish black. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

H. autumnale, Riverton Gem. 4 to 5 ft. August to November. The flowers on opening are old-gold, suffused with bright terra-cotta, changing as they mature to mahogany-red. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

H. autumnale rubrum. 4 ft. September and October. In color the flowers resemble the blood-red English wallflowers. Fine for cutting. \$1.20 for 3, \$3 for 10, \$24 per 100.

H. hoopesii. *Orange Sneezeweed.* 1½ to 2 ft. May to August. A fine border plant with very showy, bright orange-yellow flowers. Especially useful for cutting. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

HELIANTHEMUM • Sun Rose

The surprising beauty of the Sun Roses astonishes everyone who is not familiar with them. The wiry little plants form dense, springy tufts which are covered by the dainty, rose-like flowers in a great variety of delicate shades of pink, copper, and yellow. The various kinds are much alike in habit but are most variable in the color of the flowers, many of which come double at times. It is an indispensable rock plant and should be used liberally wherever there is opportunity.

***Helianthemum chamæcistus (vulgare).** *Common Sun Rose.* 8 to 10 in. June and July. A pretty, almost shrubby evergreen plant having narrow rather wiry foliage with a silvery sheen, which makes a low, thick carpet. Flowers yellow, like small single roses. Desirable for rock garden.

***H. chamæcistus, Bride.** 8 to 10 in. Very dainty; delicately white.

***H. chamæcistus tomentosum (angustifolium).** *Rosemary Sun Rose.* A similar plant with slightly woolly foliage and pretty yellow, rose-like flowers.

***H. chamæcistus citrinum.** 6 in. A beautiful, pale yellow, single-flowered sort, similar to the preceding in other respects.

***H. chamæcistus cupreum (hyssopifolium cupreum)** 6 in. A variety with flat, narrow leaves, glossy on the upper surface, and large, copper colored flowers. It is especially fine in a dry, sunny position in the rock garden.

HELIANTHEMUM, continued

***H. chamæcistus macranthum.** 6 to 12 in. June and July. Pure white flowers of exquisite texture, blotched with yellow at the base of the petals. \$1.20 for 3, \$3 for 10, \$24 per 100.

***H. perfoliatum roseum.** 6 to 8 in. June to August. A new trailing plant producing a profusion of single salmon-pink flowers with yellow centers. Valuable for rock garden.

***H. pilosum.** 6 to 12 in. June and July. Foliage grayish; white flowers, stained with yellow; blooms in loose clusters. \$1.50 for 3, \$4 for 10.

***H. præcox.** 8 in. June and July. A beautiful, silvery leaved variety with large, single, pale yellow flowers. \$1.05 for 3, \$3 for 10.

***H. halimifolium multiflorum.** *Morocco Sun Rose.* 4 to 6 in. June to September. A charming rock plant of spreading growth. Flowers bright orange-pink and most attractive.

HELIANTHUS • Sunflower

For the most part, this group is composed of big showy plants suitable for bordering woodland paths or massing in a naturalistic fashion along streams or before shrubbery. They are very effective planted close to the eupatoriums, either celestinum or purpureum, and look well mingled with the great violet ironweed and various of the darker purple hardy asters. Their beauty is in the mass of color they make, and they should be used generously for bold effects.

Helianthus decapetalus. *Thinleaf Sunflower.* 4 to 5 ft. August to October. A fine free-blooming form, with clear yellow flowers in immense panicles. One of the best late-blooming plants. Desirable for shrubbery border and naturalistic effects. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

H. decapetalus multiflorus flore-pleno. *Double Golden Thinleaf Sunflower.* Similar to above, but the flowers are double. \$1.05 for 3, \$2.70 for 10, \$21 per 100.



Helenium autumnale. Common Sneezeweed

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



Helianthus mollis. Ashy Sunflower

HELIANTHUS, continued

- H. maximiliani.** *Maximilian Sunflower*. 5 to 7 ft. The latest of all to bloom, perfecting its fine golden yellow flowers in long, graceful sprays during October, when all others have finished flowering. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- H. mollis.** *Ashy Sunflower*. 3 to 4 ft. July to September. Large, single, lemon-yellow flowers and downy white foliage. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- H. orgyalis.** 6 to 8 ft. September. Tall and graceful, with very leafy stems and flowers 3 to 4 inches in diameter, produced abundantly. Plant among shrubs. 90 cts. for 3, \$2.40 for 10.
- H. rigidus.** *Prairie Sunflower*. 2 to 3 ft. July and August. A showy plant making a great display of large, semi-double golden yellow flowers over a very long season.
- H. scaberrimus, Miss Mellish.** 5 to 6 ft. Late August and September. Vigorous, leafy plant with large, graceful, yellow flowers. A very desirable variety either isolated or massed in waste places.
- H. scaberrimus, Wolley Dod.** 6 ft. September. One of the best autumn-flowering varieties, producing great quantities of deep yellow flowers. Entirely distinct.

HELIOPSIS • False Sunflower

This family of False Sunflowers is closely related to the preceding group and may be used for the same purposes, supplying lower, denser-growing subjects than in *helianthus*. It is very useful for that reason, and striking effects may be obtained by large-scale planting.

- Heliopsis helianthoides (laevis).** *Sunflower Heliopsis*. 3 to 5 ft. July to October. An erect, robust plant, producing fine heads of golden yellow flowers.
- H. helianthoides pitcheriana.** *Pitcher Heliopsis*. 2 to 3 ft. July to October. A choice dwarf variety with deep orange-yellow flowers of great value for cutting all through the summer. Especially good for dry situations.
- H. helianthoides pitcheriana semi-plena.** 2½ to 3 ft. July to October. Semi-double form of the above, with curious, narrow petals of the same orange color issuing from the center of the flowers. 90 cts. for 3, \$2.40 for 10.
- H. scabra.** *Rough Heliopsis*. 3 to 4 ft. July to October. Similar to the Sunflower Heliopsis, but a rougher, somewhat wilder looking plant. It bears bright yellow flowers on individual stems.

HEMEROCALLIS • Day Lily

Much attention has been paid of late to improving the Day Lilies, and now a proper selection of varieties will enable one to have them in flower the greater part of the season. They are very decorative, with their ribbon-like foliage and their beautiful lily-

HEMEROCALLIS, continued

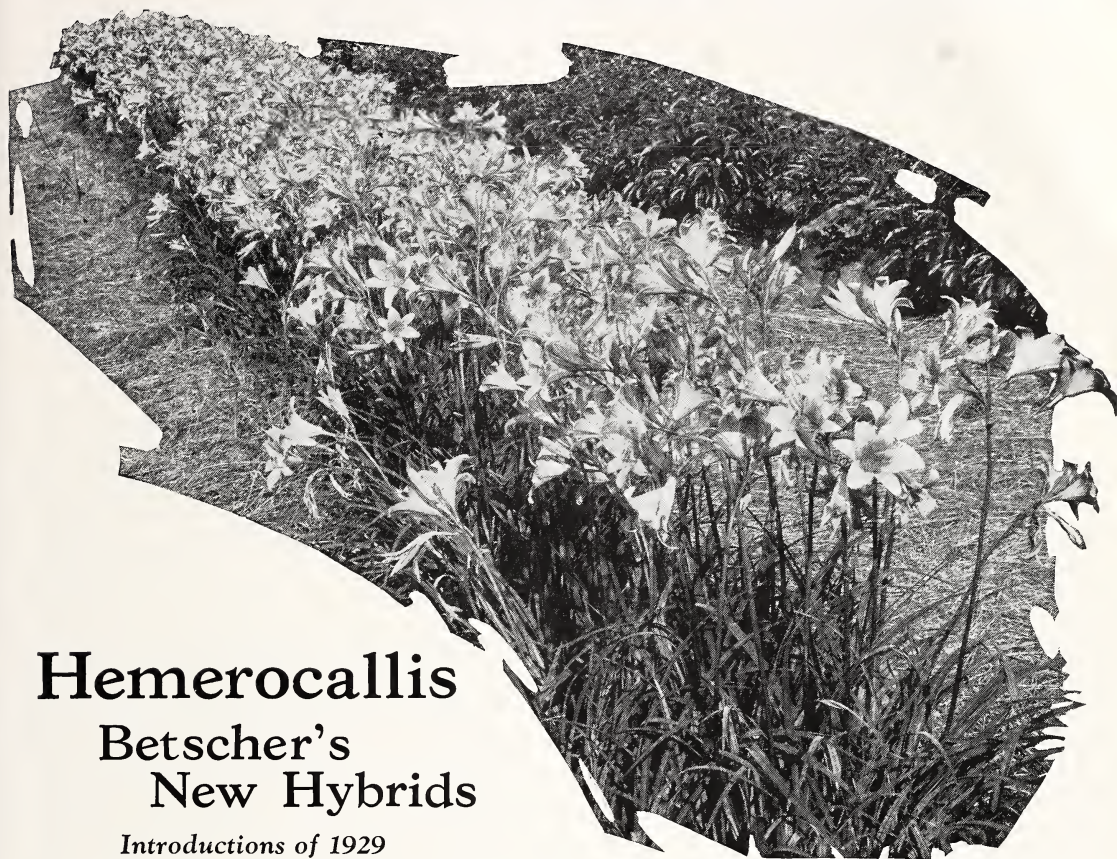
like flowers, especially when grown in clumps at prominent places in the border. The pale lemon types are lovely with light blue flowers such as *Belladonna delphiniums*, and soft magenta or mauve tones find a happy combination with them. The richer yellow flowers give opportunity for combinations with darker blues and purples, as well as bolder, tawnier flowers. They are very hardy, very persistent, and make permanent borders when established.

- Hemerocallis aurantiaca major.** *Great Orange Day Lily*. 1½ to 2 ft. June to September. A splendid variety from Japan, with large, trumpet-shaped, sweetly scented flowers of deep orange. \$1.05 for 3, \$3 for 10.
- H. citrina.** *Citron Day Lily*. 3 ft. June and July. A broad-leaved sort with very fragrant long flowers of pale sulphur-yellow, borne on tall, graceful stems. Highly desirable for cutting.
- H. dumortieri.** *Early Day Lily*. 1½ to 2 ft. May and June. Rich cadmium-yellow buds and reverse of petals bronze-yellow.
- H. dumortieri sieboldi** (Blooms three weeks after *Dumortieri*). 1½ to 2 ft. June and July. Flowers orange-yellow; large leaves, long, narrow and tapering.
- H. flava.** *Lemon Day Lily*. 3 ft. May and June. Flowers clear lemon-yellow and very fragrant. Fine for cutting. Charming in masses on the banks of streams and in clumps in border or rock garden. \$1.20 for 3, \$3 for 10.
- H. fulva.** *Tawny Day Lily*. 2 to 3 ft. June and July. Handsome foliage with trumpet-shaped flowers of dusty orange with darker, almost crimson, shading. Attractive in semi-wild spots on the edge of water. A very vigorous and persistent plant. 75 cts. for 3, \$2.20 for 10, \$16 per 100.
- H. gracilis.** 2 ft. Grass-like foliage, yellow flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- H. luteola.** *Golden Day Lily*. 4 ft. Golden yellow flowers 6 inches across. A splendid variety which is effective both in the garden and when cut. \$1.20 for 3, \$3 for 10, \$21 per 100.
- H. middendorffi.** *Amur Day Lily*. 2 to 3 ft. June and July. Handsome golden orange flowers especially good for cutting.
- H. thunbergi.** *Japanese Day Lily*. 3 ft. July. Rich, clear, buttercup-yellow sweet-scented flowers. The latest to bloom.

Hybrid Hemerocallis

These are all highly improved sorts, with purer color and flowers of higher finish than the species. Very splendid garden pictures can be made by placing them in appropriate locations. They look especially well near pools, although they are in no sense water-plants. A remarkable, new set of varieties is offered on next page.

- Apricot.** 2 ft. A very pretty clear bright orange flower of excellent size and finish. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- Aureole.** 3 ft. May and June. A splendid early sort of rich orange-yellow.
- Betscher's Hybrids.** See next page.
- Dr. Regel.** 1½ ft. May and June. A very fragrant sort of pure orange-yellow. One of the finest named sorts and excellent for cutting.
- Florham.** 3 to 3½ ft. June and July. A strong grower with large, trumpet-shaped flowers of rich golden yellow, marked with Indian yellow.
- Gold Dust.** 2 ft. June. Very large, golden yellow flowers.
- Kwanso flore-pleno.** 2 to 3 ft. June and July. Double flowers of rich orange-copper.
- Orangeman.** 3 ft. June and July. Very large flowers of bright orange-yellow.



Hemerocallis

Betscher's New Hybrids

Introductions of 1929

FOR more than twelve years, Charles Betscher, of Dover, Ohio, has been patiently working with Day Lilies, interbreeding and selecting all varieties and species. We are glad to introduce to American gardens twelve of his originations which he selected for us.

They are immensely better than the varieties commonly grown, with colors of the utmost smoothness and delicacy, greater size, and erect stems holding the lovely lily-like flowers perfectly poised above the vigorous and healthy plants. What is more, they bloom in July and August, thus greatly extending the season.

We have grown them two years in our nursery, and a collection of them is established in the Harvard Botanic Garden. At both places they have attracted enthusiastic admiration. We hope you will be able to come to our nursery and see them this summer.

Were we to illustrate them in color as we would like to, our limited stock would be sold over night. We are sorry the descriptions are so brief, but we hope to give more details another year. We cannot offer them in quantity now, and not until our stock has greatly increased in numbers.

We can supply strong plants of the varieties described at \$2.50 each.

Bay State. Tall variety with deep, glistening yellow flowers produced early and until the middle of August.

Cressida. A lovely orange variety of medium height. Blooms middle to late July.

D. D. Wyman. Light golden yellow with a tawny splash across center of petal. Grows 2 to 3 feet high and blooms in early July.

Goldeni. A bushy sort and a heavy bloomer, similar in color to the common Aurantiaca Major. Blooms in July.

Gypsy. Brilliant deep orange, medium size, slender stem. Late.

Harvest Moon. Of medium height, with clear orange-sherbet blooms about the middle of July.

J. A. Crawford. Apricot-yellow blossoms shaded light cadmium, about July 15. Slightly taller than The Gem.

Lemona. A splendid pale lemon-yellow which grows about 4 feet high, and blooms late July and into August.

Modesty. Medium to large, pale yellow blooms on slender stems from middle to late July.

Mrs. A. H. Austin. Handsome, large flowers of deep golden yellow late in July. Grows about 3 feet high.

Mrs. W. H. Wyman. A wonderful sort and the very last to bloom. About same height as Lemona but just a shade lighter.

The Gem. Deep orange-yellow. One of the first to bloom, about July 10. Medium height.



HEPATICA

- ***Hepatica acutiloba.** *Sharplobe Hepatica.* 6 in. April and May. The flowers vary from pure white to purple and into shades of pink. It has leathery, three-lobed leaves resembling the following, but lobes more pointed.
- ***H. triloba.** *Roundlobe Hepatica.* 6 in. Late April and early May. Flowers white, dark rose, or purple. Good for eastern and northern exposures in the rock garden and shady places generally.

HESPERIS • Rocket

- ***Hesperis matronalis.** *Dame's Rocket.* 2 to 3 ft. June and July. Fragrant purple flowers in showy spikes. Desirable for wild garden, shrubbery, or mixed border.
- ***H. matronalis alba.** *White Dame's Rocket.* Same height and season as above, but showy terminal spikes of white flowers.

HEUCHERA • Alum-Root

Abroad, these pretty perennials are called "Fairy Flowers," a name they deserve for their delicacy and grace. They make handsome rosettes or mats of good-looking leaves from which rise slender, swaying stems bearing showers of tiny bells. They look well about a sun-dial, at the edge of a pool, or planted among rocks, or in the perennial border. The descriptions of the many kinds sound much alike, but they have a varied charm and all are beautiful in their different ways.

- ***Heuchera americana.** *American Alum-root.* 1½ to 2 ft. July. A native plant with mats of mottled leaves and sprays of tiny greenish yellow flowers. Especially good in the rock garden or edges of borders.
- H. brizoides.** *Pink Bells.* 1 ft. June to August. Rosy carmine flowers on slender red stems. A very interesting plant because of its bigeneric origin, being a variety of *Tiarella*.
- ***H., Hybrids.** 1½ ft. Plants of similar habit and flowers of various shades of best red. Twice as large as *H. sanguinea*.
- ***H., Perry's White.** 1 to 2 ft. May to September. A charming pure white variety of unusual grace. \$1.50 for 3, \$4.50 for 10.

HEUCHERA, continued

- ***H. sanguinea.** *Coral Bells.* 12 to 18 in. June to September. A splendid border or rock plant with big rosettes of leaves from which rise clusters of slender stems bearing showers of tiny crimson bells. Pretty for cutting and excellent for the rock garden. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- ***H. sanguinea alba.** *White Coral Bells.* A variety of the above having white flowers.
- ***H. sanguinea gracillima (gracilis rosea).** *Grass-leaf Coral Bells.* A slender and even more dainty plant than *H. sanguinea*. Suited to similar situations. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- ***H., Shirley.** 1 to 2 ft. A rather tall form, with exceedingly graceful stems and brilliant red flowers. A free and continuous bloomer.
- ***H., Splendens.** *Crimson Bells.* 18 in. May to September. A very rich, dark crimson form which blooms over a very long season.

HIERACIUM

- Hieracium aurantiacum.** *Orange Hawkweed.* 6 to 12 in. June to October. A low herb, producing small clusters of dandelion-like orange flowers, on leafless stems, rising from tufts of shaggy foliage. Good ground-cover for sterile waste land or wild garden.
- H. pilosella.** *Yellow Hawkweed.* 4 to 12 in. Blooms all season. Plant creeping or spreading; rough foliage; flowers pale yellow, sometimes tinged with purple. A quick ground-cover.

HIBISCUS • Rose Mallow

The native Mallows are almost all swamp plants, but their garden forms seem to thrive well in dry places. They are big and bold, almost shrub-like, and look well against a shrub background. As they come up very late in the spring, their positions ought to be marked so that they will not be overlooked and cut with the hoe or other cultivating tools.

- Hibiscus militaris.** *Soldier Rose Mallow.* 5 ft. August. A strong-growing plant, with small leaves and large blush or pale rose flowers with purple eye.
- H. moscheutos.** *Common Rose Mallow.* 3 to 4 ft. August and September. Large flowers of light rose-red. Excellent for water edge or bog-garden.



Hosta (Funkia) plantaginea grandiflora. Big Plantain Lily



HIBISCUS, continued

- H. moscheutos**, Mallow Marvels, Red, White, Pink, and Mixed. A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades.
- H. oculiroseus**, *Crimson-Eye Rosemallow*. 3 to 6 ft. August and September. A similar plant to *H. moscheutos* but has very large snow-white flowers with a quiet crimson center. Very showy and does well in almost all locations, even very wet ones.

HOLLYHOCKS. See *Althæa*

HOSTA (Funkia) • Plantain Lily

Shade-loving plants that look well just at the edge of a heavy shrub border, or along shady paths. The flowers are like small, clustered lilies and rise on tall stems above the big, glossy leaves. Decorative in or out of flower.

- Hosta cærulea**, *Blue Plantain Lily*. 1 to 2 ft. July and August. Pretty masses of shiny foliage and deep violet-blue flowers on spreading stems.
- H. lancifolia**, *Lance-leaf Plantain Lily*. 2 ft. August. Spikes of pale lilac flowers; deep green narrow foliage.
- H. lancifolia albo-marginata**, *Silver-edge Lance-leaf Plantain Lily*. 1 to 2 ft. A fine foliage plant with handsome leaves, variegated with white. One of the best for edging.
- H. lancifolia undulata variegata**, *Wavy-leaf Plantain Lily*. 1 ft. June and July. Fine variegated foliage and blue flowers. Very attractive for border.
- H. ovata**, 1½ ft. June. Large, handsome, glossy green foliage and big spikes of trumpet-shaped, lilac-colored flowers. \$1.20 for 3, \$3 for 10, \$24 per 100.
- H. ovata**, **Thomas Hogg**, White-banded green leaves and rosy purple flowers.
- H. plantaginea grandiflora**, *Big Plantain Lily*. This is the variety found in old gardens and yards, with big ribbed leaves and tall stems of waxy white flowers. 50 cts. each, \$4.50 for 10, \$39 per 100.
- H. sieboldiana**, *Cushion Plantain Lily*. Flowers pale blue and leaves metallic blue. \$1.20 for 3, \$3.50 for 10.

HYPERICUM

- ***Hypericum repens**, 4 to 6 in. A creeping plant with dark foliage and bright yellow flowers 1½ inches in diameter. A wonderful little plant. \$1.20 for 3, \$3.50 for 10.

HYSSOPUS

- ***Hyssopus officinalis**, *Hyssop*. 1 to 2 ft. June to August. Aromatic shrubby herb of culinary and medicinal value with bluish purple flowers in leafy spikes. Good for edging and can be trimmed like box.
- ***H. officinalis rosea**. A seedling variety which originated in our fields. Similar to the species but the flowers are pink.

IBERIS

Edging and rock plants of much refinement and beauty. They should be planted in broad clumps or long lines, and they like to be let alone when once established.

- ***Iberis gibraltarica**. 1 ft. May and June. White flowers tinged rose. One of the most striking and showy sorts and not always obtained easily as the true stock is fairly rare.
- ***I. saxatilis corifolia**. 6 in. May and June. The finest of the evergreen Candytufts, with dense clusters of pure white flowers.
- ***I. sempervirens**, *Evergreen Candytuft*. 1 ft. May. Of loose, spreading habit and distinctive narrow evergreen foliage. Flowers pure white, completely covering the plant. Splendid for rock garden; good for edging borders.

IBERIS, continued

- ***I. sempervirens**, **Little Gem**. 6 in. May. A miniature form of the above which blooms profusely and makes a splendid little evergreen rock-plant or edging.
- ***I. sempervirens**, **Snowflake**. An early-flowering variety, with large, snowy white flowers.

INCARVILLEA

Incarvillea delavayi. 18 in. June and July. A hardy, tuberous-rooted plant, and one of the choicest perennials yet introduced. The large, rose-colored, trumpet-shaped flowers are produced in clusters and have unusual lasting qualities. Good border plants for sheltered positions. \$1.20 for 3, \$3 for 10, \$22 per 100.

INULA

- ***Inula ensifolia**, *Swordleaf Inula*. 2 ft. July and August. A narrow-leaved sort with large, bright-yellow flowers. Showy for a bold clump in the rockery. \$1.20 for 3, \$3 for 10, \$24 per 100.
- I. glandulosa**, *Caucasian Inula*. 1½ to 2 ft. July. Large, bright yellow, aster-like flowers with fringed petals. A good border plant.
- I. salicina**, *Willowleaf Inula*. 2 ft. July and August. A vigorous variety producing a profusion of pretty yellow flowers.

IRIS

Iris appeal both to the connoisseur who enjoys their delicacy of texture, beauty of form, and the exquisite colorings, ever modified by the interplay of light, shadows, and reflections within the complexity of the flower, but also to the "quick and easy" back-yard gardener because of their everlasting willingness to grow anywhere and bloom their heads off without any attention at all.

They rank among the most important of all plants and share the top of the perennial list only with the peony.

We have upward of one hundred and fifty varieties in our collection, including all classes in both named varieties and separate colors.

German Iris • Tall Bearded Iris

This class of Iris is particularly adapted for the wild-garden, shrubby border, or any well-drained garden soil. They bloom early and their variety of color is infinite. Very useful for cutting, the buds opening rapidly in water.

The following list includes many old varieties with certain characteristics that make them still greatly desirable, and we have added a number of newer varieties of real value. The figures which follow the names of the originators denote the rating according to the symposium of the American Iris Society, published in May, 1922.

They should be planted in full sunlight, in well-drained soil, and it is conceded that a little lime now and then is beneficial. There is considerable prejudice among Iris fanciers against using manure, and fertilization is usually accomplished by the use of bone-meal or some commercial product.

- Admiral Togo**. White, faintly tinted lavender; F. and S. lightly bordered purple; of the habit of Mme. Chereau. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Afterglow**. (Sturtevant, 1917.) 8.6 Soft greyish pink, shading to rich yellow through the center. 3 ft. 75 cts. each.
- Alcazar**. (Vilmorin, 1910.) 8.9 S. light bluish violet; F. deep purple, with bronze-veined throat. 3 to 4 ft. 40 cts. each, \$3 for 10, \$27 per 100.
- Amas**. (Foster, 1885.) 7.8 S. rich blue; F. violet; very large, beautiful flower. 2 ft. 40 cts. each, \$3.50 for 10.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



German Iris, Ambassadeur

GERMAN IRIS, continued

- Ambassadeur.** (Vilmorin, 1920.) 9.4 S. lavender with smoky stains and crystalline texture; F. glorious purple with a silky velvety sheen of glowing crimson. One of the tallest, largest, and most beautiful Irises in the world. 90 cts. each, \$8 for 10.
- Archeveque.** (Vilmorin, 1911.) 8.3 S. deep purple-violet; F. deep velvety violet. 2 ft. 50 cts. each, \$4 for 10.
- Atrviolacea.** (Salter, before 1859.) S. violet-blue; F. deep purple. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Attraction** (Sir Robert Peel). (1885.) S. pale blue; F. darker blue, penciled white on lower half; anthers white, tipped yellow. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Augustina.** S. yellow; F. yellow and maroon. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Aurea.** (Jacques, 1830.) S. and F. rich chrome-yellow. Large flowers of perfect form. 35 cts. each, \$3 for 10, \$24 per 100.
- Boccage** (*L'Africaine*). (Lemon, 1840.) S. rosy purple; F. crimson, striped white. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Canary Bird.** (Perry.) S. canary-yellow; F. crimson-purple; very distinct. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Candelabre** (Vilmorin, 1911.) 6.6 S. pale lavender-violet, flecked darker at base; F. velvety purple, densely veined. 2 ft. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Caprice.** (Vilmorin, 1904.) 7.5 S. rosy red; F. deeper rosy red. 35 cts. each, \$3 for 10, \$24 per 100.
- Cecil Minturn.** (Farr, 1922.) S. light lavender-pink; F. pale purple, center violet stained, and illumined by a golden beard. Medium-sized flower on stems 27 in. high. A wonderful "pink" iris for specimen clumps or broad landscape effect. 75 cts. each, \$6 for 10.
- Charles Darwin.** (Foster, 1895.) S. cream, spotted bronze at base; F. violet-purple. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Charles Dickens.** S. blue; F. dark blue, suffused and veined dark violet; anthers white, tipped yellow. 30 cts. each, \$2.40 for 10, \$18 per 100.

GERMAN IRIS, continued

- Cherubim.** (Vilmorin, 1911.) 6.8 S. pinkish violet or mauve; F. rosy lavender, veined darker. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Darius.** (Parker, 1873.) S. chrome-yellow; F. purple, margined pale yellow and reticulated white. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Eldorado.** (Vilmorin, 1910.) 7.8 S. bronzy yellow stained mauve; F. violet and yellow-bronze. 2½ ft. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Flavescens.** S. and F. white, slightly flushed; very fragrant. Free blooming. Early. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Florentina alba.** Creamy white, with a faint lavender cast. A variety of the following and both bloom very early in the season. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Florentina, Blue** (*Iris germanica*). S. and F. blue; fragrant, free bloomer. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Garrick.** (Caparne, 1901.) S. lilac; F. dark violet-blue. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Gen. Grant.** (1889.) S. pale lemon; F. purple, striped white on the lower half, narrowly bordered with lemon. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Gold Imperial.** (Sturtevant, 1924.) S. and F. rich golden yellow, intensified by a bright orange beard. Flower of medium size on tall stems, 33 inches. One of the rare choice Irises. Good, pure yellow varieties are very scarce. \$4.50 each.
- Hector.** (Lemon, 1840.) S. dark blue; F. purple. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Herant.** (1889.) S. bright blue; F. much deeper in color. A beautiful broad-leaved sort; very early-flowering. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Her Majesty.** (Perry, 1903.) 7.3 S. rose-pink; F. bright crimson, shaded darker. 22 in. 35 cts. each, \$3 for 10, \$21 per 100.
- Horatius.** S. buff, shaded blue; F. blue, veined deeper blue and chocolate. 30c. each, \$2.40 for 10, \$18 per 100.
- Iris King.** (Goos & Koenemann, 1907.) 7.9 S. lemon-yellow; F. rich maroon, bordered yellow. 22 in. 35 cts. each, \$3 for 10.
- Isoline.** (Vilmorin, 1904.) 8.6 S. rosy lilac; F. darker, veined brown at the base, with a bright orange beard. Tall, very large, and the falls carried in unique style. Very fine. 25 cts. each, \$2.20 for 10, \$15 per 100.
- Johan de Witt.** S. light lilac-blue; F. purple. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Juniata.** (Farr, 1909.) 8.1 S. and F. clear blue. Large, fragrant flowers. 44 in. 35 cts. each, \$3 for 10, \$24 per 100.
- Kochi.** S. and F. dark, rich purple, very broad and large. An excellent early sort 12 to 18 inches high. 30 cts. each, \$2.40 for 10, \$18 per 100.
- Lent A. Williamson.** (Williamson, 1918.) 9.0 S. mysterious lavender-violet with silky sheen; F. velvety purple with a dull blackish shadow and rich velvety texture. Center brightened by a showy gold-orange beard. One of the finest Irises in existence. Flowers very large on stems 4 feet high. 90 cts. each, \$8 for 10.
- Lohengrin.** (Goos & Koenemann, 1910.) 8.2 S. and F. light lilac-pink with a soft, silvery sheen. Strong, erect stems. Very handsome. 35 cts. each, \$3 for 10, \$25 per 100.
- Lord of June.** (Yeld, 1911.) 9.1. S. light silvery blue; F. darker, marked with brown at the base. Very large, stately flowers on tall stems. One of the most beautiful of all Irises. 60 cts. each, \$5 for 10.
- Loreley.** (Goos & Koenemann, 1909.) 7.9 S. light yellow; F. deep sea-blue, with creamy edging. 32 in. 35 cts. each, \$2.70 for 10, \$20 per 100.
- Loute.** (Vilmorin, 1904.) 6.8 S. light mauve with an overlay of bronze; F. reddish violet. Large. 35 cts. each, \$3 for 10, \$27 per 100.
- Malvina** (*Hocanum*). S. yellow, blotched with brown; F. rich purple, flecked with white, the middle striped white, base tinted yellow. 30 cts. each, \$2.40 for 10, \$18 per 100.



GERMAN IRIS, continued

Mexicana (*Gold Bound*). (Salter, before 1859.) S. yellow, suffused with old-gold on the tips; F. purple, tipped old-gold with yellow base. 30 cts. each, \$2.40 for 10, \$18 per 100.

Midnight. A rich velvety dark purple. 28 in. 30 cts. each, \$2.40 for 10, \$18 per 100.

Mme. Chereau. (Lemon, 1844.) S. and F. white, edged and feathered with violet and pale blue. Very free. 30 cts. each, \$2.40 for 10, \$18 per 100.

Monsignor. (Vilmorin, 1907.) 8.4 S. pale violet; F. with a groundwork of the same color but richly overlaid and veined with deep purple. 28 in. 50 cts. each, \$4 for 10.

Mother of Pearl. (Sturtevant, 1921.) S. and F. pale bluish lavender with a faint creamy undertone. Large flowers of exceptional substance and perfect form on well-branched stems. \$1 each, \$8.50 for 10.

Mrs. Horace Darwin. (Foster, 1903.) 6.8 S. pure white; F. slightly reticulated violet at the base. 2 ft. 30 cts. each, \$2.40 for 10, \$18 per 100.

Niebelungen. (Goos & Koenemann, 1910.) 7.3 S. fawn-yellow; F. violet-purple on bronze. Large. 2½ ft. 35 cts. each, \$2.70 for 10, \$20 per 100.

Nuée d'Orange. (Verdier, 1905.) 7.6 S. pale mauve or slate-color; F. reddish purple. Free-flowering. 3 ft. 30 cts. each, \$2.40 for 10, \$18 per 100.

Oroya (*Charles Dickens*). S. purple; F. purple, penciled white and mauve; limb purple, splashed with darker shade. 30 cts. each, \$2.40 for 10, \$18 per 100.

Pallida Dalmatica, Princess Beatrice. True *Pallida Dalmatica*, and still one of the most attractive varieties as well as most satisfactory. Large flowers of a clear lavender-blue, shading to a pale silvery blue at the base, and sweetly scented. 40 cts. each, \$3 for 10, \$24 per 100.

Parc de Neuilly. (Verdier, 1910.) 8.1 Flowers rich plum-purple; S. arching, ruffled; F. drooping. 2½ ft. 50 cts. each, \$4 for 10.

Parisiana. (Vilmorin, 1911.) S. white, dotted with rosy purple; F. white, edged with violet. 30 cts. each, \$2.40 for 10, \$18 per 100.

Pauline. (Farr, 1913.) S. bright blue; F. dark blue. 30 cts. each, \$2.40 for 10, \$18 per 100.

Perfection. (Barr.) 7.8 S. light blue; F. velvety purple-black, with conspicuous orange beard. 3 ft. 35 cts. each, \$3 for 10.

Pocahontas. (Farr, 1915.) 7.7 S. and F. pure white, with S. faintly bordered pale blue. 28 in. 50 cts. each.

Princess Victoria Louise. (Goos & Koenemann, 1910.) 7.2 S. sulphur-yellow; F. rich plum, bordered cream. 2½ ft. 35 cts. each, \$2.70 for 10, \$20 per 100.

Prosper Laugier. (Verdier, 1914.) 8.3 S. light bronzed; F. deep velvety crimson, richly veined at the throat. 35 cts. each, \$2.70 for 10, \$20 per 100.

Purple King. A bright purple. 30 cts. each, \$2.40 for 10, \$18 per 100.

Quaker Lady. (Farr, 1909.) 8.4 S. smoky lavender with yellow shading; F. ageratum-blue and old-gold. 32 in. 40 cts. each, \$3.50 for 10, \$30 per 100.

Queen Caterina. (Sturtevant, 1918.) 9.1. S. and F. light, silvery blue, with a very faint lavender tinge, veined bronze in the heart of the flower, and bearing a rich orange beard. 40 cts. each, \$3.50 for 10, \$27 per 100.

Queen of May. (Salter, before 1859.) S. most delicate rose-pink. 30 cts. each, \$2.40 for 10, \$18 per 100.

Rebecca. (Lemon, 1840.) S. golden yellow; F. yellow, splashed and veined golden brown. 30 cts. each, \$2.40 for 10, \$18 per 100.

Rhein Nixe. (Goos & Koenemann, 1910.) 8.4 S. pure white; F. deep violet-blue with white edge. 3 ft. 35 cts. each, \$3 for 10, \$21 per 100.

Sans Souci (*Charlotte Patty*). S. lemon-yellow; F. same color, veined reddish brown. Dwarf. 30 cts. each, \$2.40 for 10, \$18 per 100.

Shekinah. (Sturtevant, 1918.) 8.8 S. and F. pale lemon-yellow, shading to buff and straw-color, and a strong orange beard. A fine tall plant and one of the very few good, tall yellow varieties. 75 cts. each, \$6.50 for 10.

Sherwin-Wright. (Kohankie, 1915.) 7.6 Fine golden yellow; vigorous grower. 2 ft. 35 cts. each, \$3 for 10, \$24 per 100.

GERMAN IRIS, continued

Souvenir de Mme. Gaudichau. (Millet, 1914.) 9.3. A splendid early variety of clear, distinct blue-purple, very dark and fine. Excellent substance and tall stems. \$2 each, \$18 for 10.

Speciosa. (Old French, before 1830.) S. dark lavender; F. light purple. 30 cts. each, \$2.40 for 10, \$18 per 100.

St. Clair (*Comte de St. Clair*). S. and F. white, with well-defined blue borders half an inch wide. One of the best. 3 ft. 30 cts. each, \$2.40 for 10, \$18 per 100.

Striata. S. pure yellow; F. white, with yellow border, penciled dark brown. 30 cts. each, \$2.40 for 10, \$18 per 100.

Swerti (*Pecutum*). (Ancient, before 1612.) White bordered light blue; tall and late. Similar to *St. Clair* but smaller in all its parts. 30 cts. each, \$2.40 for 10, \$18 per 100.

Violetta. (Dykes, 1921.) S. white; F. blue, striped lavender. 30 cts. each, \$2.40 for 10, \$18 per 100.

White Knight. (Saunders, 1916.) 8.3 A beautiful, absolutely pure white variety without markings; well formed; sweet-scented. 18 in. 35 cts. each, \$3 for 10.

William III. (Col. by Foster, 1885.) Dark violet, very large flower; late and beautiful; very fragrant. 30 cts. each, \$2.40 for 10, \$18 per 100.

Iris Kaempferi · Japanese Iris

Extremely showy plants, bearing enormous, flat, salver-like flowers in many shades of white, lavender, purple, violet, blue, and beautifully veined types. They bloom about one month after the German Iris varieties, usually in mid-July.

They like a moist, wet spot, and full sun, but do well in dry soil, if plenty of water is supplied at blooming-time. This is one of the finest groups of perennials. They are so distinct from other Irises that they seem to belong to a different family.

Prices of Japanese Iris, except where otherwise noted, are 50 cts. each, \$4 for 10, \$36 per 100. We will furnish 10 named Japanese Iris of our own selection for \$4—all good varieties (10 named Japanese Iris, your selection, would cost 50 cts. each).

Alida. White, six-petaled variety, with stripe of light blue.

Aspasia. (Vilmorin, 1905.) Single; soft mauve-blue.

Astarte. (1884.) Double; beautiful dark violet.



Iris Kaempferi. Japanese Iris



JAPANESE IRIS, continued

- Babylon.** (Hallock, before 1893.) Reddish purple; very rich color; extra-large flowers.
- Band of Clouds.** Bright clear purple with distinct rays and halo of white surrounding the golden throat.
- Blue Belle.** Beautiful deep blue, yellow center; late.
- Blue Bird.** (Hallock, before 1893.) Intense blue throughout; large and full.
- Blue Danube.** (Hallock, before 1893.) Pure rich blue, yellow center; six petals.
- Commodore Perry.** Very dark violet-red; six petals; medium size.
- Double Blue Belle.** Beautiful, double, deep blue flowers; very late.
- Gold Bound.** Large white flowers, yellow center; six petals.
- Harlequin.** Whitish lavender; large.
- Helen Von Siebold.** Deep pink, white lines.
- Iso-no-Nami.** Cerulean-blue on gray-lilac, flaked and speckled, large yellow blotches; six petals.
- Kamaochi-guma.** Dark purplish indigo; midseason; double.
- Mahogany.** (Hallock, before 1893.) Dark red, shaded maroon; six petals; very distinct.
- Maple Cascade.** A choice double variegated variety; bright crimson-purple, beautifully feathered in white.
- Moonlit Waves (Gekka no nami).** White, overlaid light pink; yellow center. A very choice variety. 75 cts. each, \$7 for 10.
- Navy Blue.** Rich dark blue, yellow at base; six petals.
- Neptune.** (Vilmorin, 1902.) Violet, overlaid dark blue; single.
- Oscar.** (Hallock, 1885.) Dark red, changing to a very light color.
- Painted Lady.** White, richly suffused and striped with bright pink; very showy.
- Paragon.** (Hallock, 1885.) Rich velvety purple; six petals.
- Patrocle.** (Vilmorin, before 1900.) Single; superb dark reddish violet.
- Purple Emperor.** Very dark purple, yellow center; large flower and strong grower.
- Purple and Gold.** Enormous double flowers; early and free blooming. Color rich violet-purple with white petaloids.
- Pyramid.** (Hallock, before 1893.) Lilac-blue veined with white in center of petals; six petals.



Liatris pycnostachya. Cat-tail Gayfeather See page 69

JAPANESE IRIS, continued

- Reine des Bulgares.** (Vilmorin.) Single; the three large outer petals of soft lilac blue finely veined with white, the lilac a little more pronounced in the small center petals, half yellow.
- Turban.** (Hallock, before 1885.) Beautiful light blue and white; six petals. One of the best.
- Uchiwa.** Cerulean-blue, yellow blotches surrounded with white halo radiating out into broad line; six petals; very long stems.
- Venus.** (Hallock, before 1893.) Pure white. A strong grower and free bloomer.
- William Tell.** (Hallock, 1885.) White, veined with indigo; six petals. A very attractive variety. 50 cts. each, \$4.50 for 10, \$40 per 100.
- Zama Forest.** Large white blossom, the face of which is shaded with purple; 3 petals.
- Kaempferi, Mixed Colors (Mixed Japanese Iris).** 35 cts. each, \$3 for 10, \$20 per 100.

Iris pumila

Charming, very dwarf plants which bloom very early. The flowers are large and showy, of the same general appearance as the German Iris. They are very easily grown and spread rapidly into a dense mat, which makes them very suitable for edging borders and for rather broad patches in the rock garden. Coming into flower with the daffodils and tulips, they make a splendid prelude to the grand chorus of German and Japanese varieties which follow them.

- *Iris pumila atroviolacea.** A rich royal purple. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *I. pumila aurea.** Bright yellow. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *I. pumila, Bride.** A large, showy, pure white. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *I. pumila cyanea.** Deep blue. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *I. pumila lutea.** Clear yellow. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *I. pumila, Sambo.** (Perry, 1903.) 10 in. Dark purple with crimson veins. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- *I. pumila, White Queen.** \$1.05 for 3, \$2.70 for 10, \$20 per 100.

Miscellaneous Iris

- *Iris cristata.** *Crested Iris.* 8 in. Early. Large blue flowers, fringed and spotted with yellow. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- I. chrysographes.** *Goldwein Iris.* Rich, dark, red-violet flowers of graceful form, conspicuously veined with golden yellow. A handsome late Iris, good for water-planting. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- I. pseudacorus.** 4 ft. May and June. The common yellow Water-Flag, suitable for marshes and water-courses. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- I. sibirica.** 3 ft. June. Long, narrow leaves; pale blue flowers. Fine for water-garden. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- I. sibirica alba.** A fine, pure white form. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- I. sibirica orientalis, Blue.** Yale color. 90 cts. for 3, \$2.20 for 10, \$15 per 100.
- I. sibirica, Snow Queen.** Flowers pure white. A strong, free-growing variety. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- I. verna.** A little low Iris with blue flowers, having a yellow center. 90 cts. for 3, \$2.40 for 10, \$18 per 100.
- I. versicolor.** A native of stream-sides and swamps, producing its charming light purple flowers very freely in spring and early summer. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

JASIONE

- *Jasione perennis.** *Sheep's-Bit.* 12 in. July and August. A good rock or border plant of compact habit, bearing numerous round heads of blue flowers. 90 cts. for 3, \$2.40 for 10.



KNIPHOFIA • Torch Lily

Kniphofia uvaria pfitzeriana. *Bonfire Torch Lily.* 2 to 3 ft. August to October. A lily-like plant which produces extra-fine spikes of orange-scarlet flowers, with long, protruding anthers.

K. uvaria grandiflora. *Dayglow Torch Lily.* 3 to 4 ft. The old-fashioned, late-flowering sort, with rich red flowers, changing to salmon-pink.

K. uvaria nobilis. *Giant Torch Lily.* 4 ft. August to November. Immense spikes of orange-red flowers.

LATHYRUS • Pea

Lathyrus latifolius. *Perennial Pea.* 4 ft. July to September. Clusters of large, bright rosy red flowers, on long stems produced in abundance. Can be used as a tall, bushy perennial, or makes an excellent vine for covering rocks, stumps, and walls.

L. latifolius albus. *White Perennial Pea.* 4 ft. July to September. A white-flowering variety of the above, useful for the same purposes. 90 cts. for 3, \$2.40 for 10, \$20 per 100.

L. latifolius, Pink Pearl. 4 ft. July to September. An improved variety with clusters of large pink flowers. Fine.

***L. vernus.** *Spring Bittervetch.* 1 ft. May and June. A compact, tufted little plant with blue-violet flowers. Does well in deep sandy loam either in sun or partial shade. 90 cts. for 3, \$2.40 for 10.

LAVANDULA

Lavandula officinalis (vera). *True Lavender.* 1½ ft. July and August. This is the true Sweet Lavender. Delightfully fragrant blue flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***L. officinalis nana.** A dwarf, more compact plant than *L. officinalis*, with somewhat darker flowers, and blooms earlier. Good for rock garden. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

L. spica. *Spike Lavender.* 1 ft. July and August. A little lighter in color than the preceding, with shorter, denser spikes of flowers and even stronger and more pervasive scent. \$1.05 for 3, \$2.70 for 10, \$20 per 100.



Lilium regale. Royal Lily. See page 70



Washington, White Washington, and Blush Lupines. See pages 70 and 71.

LEONTOPODIUM • Edelweiss

***Leontopodium alpinum.** 6 to 8 inches. June to August. A famous alpine plant for a dry situation. The flowers are woolly, grayish white, and curiously shaped rosettes on the tops of sturdy stems. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

LIATRIS

Liatris pycnostachya. *Cat-tail Gayfeather.* 3 to 5 ft. August to October. A most striking and desirable plant, with great rocket-like spikes of pale purple flowers. Excellent for the border or among shrubbery.

L. spicata. *Spike Gayfeather.* 2 to 3 ft. July to September. Slender spikes densely crowded with rosy purple flowers.

LIGULARIA

Ligularia clivorum. *Ragweed.* 4 ft. June to August. Spikes of yellow flowers and large, shiny green foliage. A bold plant for the waterside. 50 cts. each, \$4 for 10, \$30 per 100.

L. veitchiana. 6 ft. Bright yellow flowers. 60 cts. each, \$5 for 10.

L. wilsoniana. *Giant Groundsel.* 4 ft. Rich golden yellow flowers and large, handsome foliage. 50 cts. each, \$4 for 10, \$30 per 100.



LILIUM • Lily

The Lilies are a marvelously beautiful and variable race and merit a great deal of attention in all perennial plantings. The white kinds are most highly finished and look best in more or less formal surroundings, while the red and orange kinds are more adapted to the edges of shrubbery or to meadow planting. Most Lilies require a little shade about their roots, and for that reason are best planted among low shrubs, or under thin trees. They like good soil, but no manure, and they must not be in wet ground.

Lilium auratum. *Goldband Lily.* 3 ft. July and August. Gigantic, pure white flowers with tiny crimson spots and a broad gold band through each petal. Especially effective scattered in rhododendron beds or massed in border. \$1.50 for 3, \$4 for 10, \$30 per 100.

L. canadense. *Canada Lily.* 4 to 6 ft. July and August. Slender stems with whorled leaves and big, branching sprays of drooping, bell-like flowers varying from orange-yellow to tawny red.

L. candidum. *Madonna Lily.* 2 to 3 ft. June and July. The most popular of garden Lilies. The pure white, very fragrant flowers are arranged like a snowy pyramid about the stiff, tapering stem. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

L. carolinianum. *Carolina Lily.* 2 to 4 ft. July and August. Same color as *L. superbum*, but with paler, almost white throat. \$1.05 for 3, \$3 for 10.

L. elegans. 1½ ft. A dwarf sort, bearing clusters of erect flowers varying from orange to deep maroon. \$1.05 for 3, \$3 for 10, \$24 per 100.

L. henryi. *Henry Lily.* 6 to 8 ft. August and September. A very tall, sturdy Lily bearing giant sprays of reflexed, bright apricot-orange flowers somewhat like the *Speciosums*, each marked by a rich emerald-green crease at the base of each petal. Needs shade at the root and sun for the flowers. 75 cts. each, \$6 for 10.

L. longiflorum giganteum. *Giant Easter Lily.* 4 to 5 ft. July and August. The white Lily sold by florists at Easter, and much more beautiful when grown in the garden where the golden anthers give it life and spirit. \$1.20 for 3, \$3.50 for 10, \$27 per 100.

L. regale. *Royal Lily.* 2 to 3 ft. This variety has enormous white flowers, shaded pink or purple, with a canary-yellow center. Undoubtedly the easiest of the white Lilies to grow and will grow almost anywhere, so long as the flowers can reach the sunlight. Lovely on top of a wall, or in the higher sections of the rock garden where it can be looked up to. \$1.80 for 3, \$5.50 for 10, \$50 per 100.

L. speciosum album. *White Speciosum Lily.* 3 ft. August and September. Large, pure white, fragrant flowers. Fine for planting among rhododendrons. 75 cts. each, \$6 for 10, \$50 per 100.

L. speciosum rubrum. *Red Speciosum Lily.* 3 ft. August and September. Large, fragrant flowers of light pink with a crimson stripe and many deep pink dots. Fine for planting among rhododendrons. \$1.20 for 3, \$3.50 for 10, \$25 per 100.

L. superbum. *American Turkscap Lily.* 3 to 4 ft. July. Flowers bright reddish orange, conspicuously spotted. Especially effective scattered in margin of rhododendron beds. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

L. tenuifolium. *Coral Lily.* 2 ft. July. Slender, narrow-leaved plants with a few drooping smallish flowers of coral and vermilion. Very pretty and showy. \$1.05 for 3, \$3 for 10, \$25 per 100.

L. tigrinum. *Tiger Lily.* 2 to 5 ft. August. Nodding, bright red flowers, thickly covered with large purplish spots in a pyramidal cluster. A thoroughly old-fashioned and remarkably useful plant. 90 cts. for 3, \$2.40 for 10, \$20 per 100.

LIMONIUM • Statice

***Limonium latifolium.** *Bigleaf Sea Lavender.* 2 ft. July to September. Foliage broad and leathery; flowers lilac-blue. in large panicles.

LINUM • Flax

***Linum flavum.** *Golden Flax.* 1 ft. June and July. A neat, bushy plant with numerous yellow flowers. Fine for rock garden. \$1.05 for 3, \$2.70 for 10.

***L. narbonneense.** *Narbonne Flax.* 1 to 2 ft. May and June. A good, hardy, plant of spreading habit, bearing large, azure-blue flowers in loose sprays. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***L. perenne.** *Perennial Flax.* 1½ ft. May to August. A desirable bushy little plant with wiry stems and a multitude of large, clear blue flowers. Good in either border or rockery.

***L. perenne alba.** *White Perennial Flax.* A white-flowered variety of the above.

LITHOSPERMUM

***Lithospermum, Heavenly Blue.** A low-growing mat-like plant which covers itself with spikes of clear blue flowers. Very decorative in the rockery. \$1 each, \$8 for 10.

LOBELIA

Lobelia cardinalis. *Cardinal Flower.* 3 ft. July and August. A very showy variety with long spikes of scarlet flowers and handsome, green foliage. Desirable for planting along water's edge.

L. siphilitica. *Large Blue Lobelia.* 2 ft. August and September. An interesting plant with dense spikes of showy deep blue or purple flowers. Useful along edge of ponds or streams.

L. siphilitica alba. *Large White Lobelia.* A handsome white variety. Good for damp ground or bogs. 90 cts. for 3, \$2.40 for 10.

LUPINUS • Lupine

The Lupines are a coming flower. While they have long been grown to a limited extent, we are just beginning to realize the possibilities of these beautiful plants. They delight in dry, sunny situations and resent being disturbed when once established. A good, healthy border of them is rivalled in beauty only by the finest Delphiniums. One or two plants do not make much of a show; they should be planted by the dozen or the hundred.

Lupinus polyphyllus. *Washington Lupine.* 2 to 3 ft. June to September. Beautiful plants with handsome leaves and deep blue, pea-shaped flowers in bold, long spikes. Cut off faded flowers to insure continuous bloom.



Lilium henryi. Henry Lily

Barsoni



LUPINUS, continued

- L. polyphyllus albiflorus.** *White Washington Lupine.* 3 ft. June to September. Fine, bold, showy plant with white flowers.
- L. polyphyllus Moerheimi.** *Moerheim Lupine.* 2 to 3 ft. June to September. A new variety and one of the best Lupines. It produces fine long spikes of pink flowers in varying shades. Excellent for the border and cutting. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- L. polyphyllus roseus.** *Blush Lupine.* 3 ft. June to September. Very charming sort with rosy pink flowers. A free bloomer. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- L. polyphyllus, Downer's Hybrids.** This fine new strain embraces many shades of pink, white, and both light and dark blues and purples. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

LYCHNIS • Campion

A much-varied family of old-fashioned plants which have been grown under various names—Viscaria, Lychnis, Agrostemma, etc. They are all permanent and pleasing and full of old-time charm. The individual plants are usually small and should be massed to secure showy effect. This is especially applicable to *L. chalcidonica* and *L. coronaria*.

- *Lychnis alpina.** *Arctic Campion.* 4 in. An attractive alpine plant with tufted foliage and reddish purple flowers. \$1.05 for 3, \$2.70 for 10.
- L. chalcidonica.** *Maltese Cross.* 2 to 3 ft. June to August. An old and valued plant with terminal heads of very showy orange-scarlet flowers.
- L. chalcidonica alba.** 4 to 6 in. A form of the preceding with white flowers.
- L. coronaria.** *Rose Campion.* 18 in. A woolly, branching plant with grayish leaves bearing brilliant carmine or crimson flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- L. coronaria alba.** *White Campion.* Same as preceding, except the flowers are white. They look well together. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- L. flos-cuculi.** *Ragged Robin.* 12 to 18 in. June to September. A spreading plant with fringed pink flowers in clusters.
- L. flos-jovis.** *Flower-of-Jove.* 12 to 18 in. A fine old-fashioned plant making dense rosettes of leaves from which rise clusters of fringed rosy red flowers.
- L. haageana.** *Haage Campion.* 1 ft. June to August. A very showy perennial, producing orange-red, scarlet, or crimson flowers nearly 2 inches across.
- L. viscaria splendens.** *Rose-pink Campion.* 12 to 20 in. June. A splendid variety of tufted habit, with bright rose-pink flowers. A fine old-fashioned perennial adapted to the rock garden or border.
- L. viscaria splendens flore-pleno.** *Double Rose-pink Campion.* 12 to 15 in. June and July. A distinct and fine variety of the above with large, double, rose-colored flowers closely arranged on slender stems. Fine for cutting.

LYSIMACHIA • Loosestrife

- Lysimachia clethroides.** *Clethra Loosestrife.* 2 ft. July. A pretty border perennial with long, dense spikes of starry white flowers and oval foliage with brilliant tints in autumn. Splendid for cut-flowers. 90 cts. for 3, \$2.40 for 10.
- L. nummularia.** *Moneywort.* 4 in. June and July. A rapid-growing, creeping plant with round, shining leaves arranged in pairs, and small, yellow, bell-shaped flowers. Valuable for hanging-baskets, rock-work, and walls, where it will make dense mats of foliage and flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.



Lythrum salicaria roseum, Perry's Variety

LYTHRUM

- Lythrum alatum.** *Winged Lythrum.* 2 to 3 ft. August to October. The very showy, deep purple flowers are borne in long spikes. Likes moist soil and is excellent among shrubbery.
- L. salicaria roseum.** *Rose Loosestrife.* 4 to 5 ft. July to September. A strong, erect plant with spikes of rosy flowers. A good border plant.
- L. salicaria roseum, Perry's Variety.** A choice new variety with glistening cherry-red flowers. A fine plant for naturalizing.

MALVA • Mallow

- Malva alcea.** *Hollyhock Mallow.* 2 ft. Round, much-divided leaves and numerous bright pink flowers; like small hollyhocks. Blooms all summer.
- M. moschata.** *Musk Mallow.* 1½ to 2 ft. July to September. Fragrant, rosy-tinted flowers in clusters. A very pretty and deserving plant which should be massed in borders.
- M. moschata alba.** *White Musk Mallow.* An exceptionally attractive variety with white, fragrant flowers.

MAZUS

- Mazus rugosus.** A low border plant with attractive blue flowers somewhat like the annual lobelia. \$1.05 for 3, \$2.50 for 10, \$20 per 100.

MELISSA • Balm

- Melissa officinalis.** *Common Balm.* 1 to 2 ft. June to August. An old-fashioned sweet herb, grown for its fragrant foliage. White and yellowish flowers in clusters.

MENTHA • Mint

- Mentha piperita.** *Peppermint.* A well-known useful herb with fragrant foliage. Thrives well in any soil. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- *M. requienii.** *Requien Mint.* 2 to 4 in. This minute, creeping herb, has tiny, round leaves and pale mauve flowers. Scented like peppermint. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- M. spicata.** *Spearmint.* Purplish flowers on slender spikes. Foliage has an attractive taste and fragrance.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



MERTENSIA • Bluebells

- **Mertensia virginica*. *Virginia Bluebells*. 1 to 2 ft. Bears drooping clusters of beautiful blue and pink or sometimes white bell-like flowers in early spring. The foliage is large, light green, and disappears in midsummer. Prefers a moist, shady place.

MISCANTHUS • Eulalia

Miscanthus sinensis. *Eulalia*. 4 to 8 ft. A fine ornamental grass with ribbon-like leaves 2 to 3 feet long, making a big fountain-like clump from which its plummy flowers rise on stiff stems several feet above the leaves. Splendid for specimens and bordering paths or drives. \$1.05 for 3, \$3 for 10.

M. sinensis variegatus. *Striped Eulalia*. Similar to *M. sinensis* but the leaves are striped lengthwise with yellowish white. \$1.05 for 3, \$3 for 10.

M. sinensis zebrinus. *Zebra Grass*. A variety with the leaves crossed with narrow yellowish white bands. Very handsome and effective. \$1.05 for 3, \$3 for 10.

MITCHELLA

- **Mitchella repens*. *Partridge Berry*. A little trailing evergreen which forms firm mats in shady places and covers itself with sparkling crimson berries. It likes a very sour and a moist but well-drained situation.

MONARDA

Bold, showy, native plants which grow along streams and in fence-corners, and light up the dark corners of a woods or thicket. They are much used in landscape work for broad, showy effects, and do well at the back of ordinary borders, in full sun. The flowers have a rich bergamot fragrance.

Monarda didyma. *Oswego Beebalm*. 1½ to 2½ ft. June to September. Showy heads of brilliant scarlet flowers in rich profusion. Very effective.

M. didyma, *Cambridge Scarlet*. *Beebalm*. 2 to 3 ft. Heads of brilliant scarlet flowers. An improved variety.

M. didyma salmonea. *Salmon Beebalm*. A rather uncommon sort with flowers of soft salmon-pink. It likes a moist situation and is a beautiful massing plant. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

M. didyma violacea superba. *Amaranth Beebalm*. A distinct sort with bright purple-red flowers.



Lechnis viscaria splendens fl.-pl. Double Rose-pink Campion

MONARDA, continued

M. fistulosa. *Wild Bergamot*. 2 to 3 ft. July and August. A pretty plant, producing fine lavender flowers. It will grow well in dry places. 90 cts. for 3, \$2.40 for 10.

M. fistulosa alba. *White Wild Bergamot*. 1½ to 2 ft. White flowers. Striking in masses along banks or in wild places. 90 cts. for 3, \$2.40 for 10.

MYOSOTIS

Finest of all edging plants for borders of spring-flowering bulbs, the Forget-me-nots are equally good for informal rock gardens or stonework of any kind; and the second variety is particularly adapted to the banks of streams or ponds. These are among the prettiest and showiest of flowers without being unduly gaudy, and they are especially fine with pale pink or creamy yellow flowers.

**Myosotis dissitiflora*. *Swiss Forget-me-not*. 6 to 12 in. May to July. The deep sky-blue flowers are borne in small clusters. A good early-blooming variety for rock garden and edging bulb-beds. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

**M. scorpioides semperflorens*. *Perpetual Forget-me-not*. 8 in. All summer. Bright blue flowers in clusters, each one lit with a bright yellow eye. A very charming edging or rock-garden plant of more spreading habit than the preceding. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

NEPETA

Nepeta hederacea (glechoma). *Ground Ivy*. A low plant with pretty, round foliage and light blue flowers in early spring. As it creeps extensively, it is desirable for covering banks or under trees, spreading rapidly.

N. macrantha. An erect variety from Siberia, with unusually large, showy blue flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

**N. mussini*. Clouds of light blue flowers from May to September. An effective plant for rock gardens. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

NIEREMBERGIA • Cupflower

Nierembergia rivularis. *Whitcup*. Beautiful dwarf Alpine plant with large, creamy white, cup-shaped flowers. A very adaptable and extraordinarily persistent plant for stream-banks, dry borders, or rock gardens. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

CENOTHERA

Cenothera fruticosa major. *Bush Snowdrops*. 2 ft. June to September. A strong-growing plant, forming a dense bush-like specimen and bearing deep yellow flowers in profusion.

C. fruticosa youngi. *Young's Sundrops*. 2 ft. June to August. Strong, stocky, large-leaved plant with firm, shiny foliage and numerous bright lemon-yellow flowers.

C. glauca fraseri. *Fraser's Sundrops*. 1 ft. June to August. A dwarfish plant with large, clear yellow flowers.

**C. missouriensis*. *Ozark Sundrops*. 10 in. June to August. Low-branched, almost prostrate plants, bearing a profusion of large, bright yellow, solitary flowers often 5 inches across. Good for rock garden or border. \$1.20 for 3, \$3 for 10, \$25 per 100.

C. speciosa. 18 in. August and September. A fine, hardy plant with large, pure white flowers. Spreads rapidly and is attractive in rock garden or naturalistic planting. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

PACHYSANDRA. See Evergreen Shrubs

PARADISEA

Paradisea liliastrium giganteum. *St. Bruno's Lily*. 1 to 2 ft. Similar to St. Bernard's Lily, *Anthericum liliago*, but has larger flowers and more of them. A charming lily-like flower. \$1.05 for 3, \$2.70 for 10, \$20 per 100.



PÆONIA • Peony

There is no question but that Peonies are one of the most important of the Hardy Perennials. The plants grow easily, are beautiful in foliage all season long, become larger and finer year by year, and are superbly beautiful when in flower, either for garden decoration or cutting. The numbers following the names of the varieties indicate the rating of their merit upon the basis of 10 as perfection. This rating was determined by a symposium among the members of the American Peony Society.

Albert Crousse. (Crousse, 1893.) 8.6. Large, ball-like flowers of magnificent form, and soft, creamy, salmon-pink. One of the very finest. 75 cts. each, \$6 for 10.

Augustin d'Hour. (Calot, 1867.) 7.8. Large, compact bomb-type flower, of bright red. \$1 each, \$9 for 10.

Baroness Schroeder. (Kelway, 1889.) 9.0. Very large white flowers sometimes tinted pale pink, fragrant and floriferous. A strong-stemmed variety particularly good for cutting. \$1.50 each, \$13.50 for 10.

Beaute Francaise. (Guérin, 1850.) 6.5. Pale lilac-rose. Midseason. 75 cts. each, \$6 for 10.

Comte de Nippon. Large; white with crimson spots. 75 cts. each, \$6 for 10.

Couronne d'Or. (Calot, 1873.) 8.1. Fine, very double flowers of creamy white with a strongly marked band of crimson-flecked petals and bright golden stamens about the center. A late and profuse bloomer. 75 cts. each, \$6 for 10.

Dorchester. (Richardson, 1870.) 7.7. Large, compact flower; pale hydrangea-pink; fragrant. Late. 90 cts. each, \$8 for 10.

Dr. Bretonneau. (Guérin, 1850.) 6.9. Large; pale lilac. Midseason. 75 cts. each, \$6 for 10.

Dr. Caillot. (Verdier, 1856.) 7.2. Crimson flowers of good size; free bloomer. Midseason. 75 cts. each, \$6 for 10.

Duchesse de Nemours. (Calot, 1856.) 8.1. Beautifully cupped, pure white flowers of medium size, with lemon-yellow tints in the depths of its petals and a green base. Medium height; strong stems; early and productive. 90 cts. each, \$8 for 10.

Edulis Superba. (Lemon, 1824.) 7.6. Splendid, early flowers of rich rose-pink, with a fluffy, mounded or tufted center of lighter shades; fragrant. Tall, but stems bend, and very floriferous. An indispensable variety for its very cheerful, extremely early flowers, and widely popular. 75 cts. each, \$6 for 10.

Felix Crousse. (Crousse, 1881.) 8.4. Rich satiny crimson flowers with round, ball-like centers. Stems good; plant very floriferous. One of the very best crimson Peonies, and extremely effective in the garden. \$1 each, \$9 for 10.



Mikado Peonies. See page 74

Festiva Maxima. (Mieliez, 1851.) 9.3. An old variety which carries a very high rating because of its superb, enormous, pure white flowers with occasional crimson flakes, its tall stems, and abundant blooming habit. One of the finest Peonies and essential to every collection. Early. 75 cts. each, \$6.50 for 10.

Francois Ortegat. (Parmentier, 1850.) 6.5. Semi-double; large; purplish crimson with brilliant golden yellow anthers. 75 cts. each, \$5 for 10.

Fulgida. (Parmentier, 1850.) 5.7. Medium size; rose-magenta. Late. 75 cts. each, \$6 for 10.

Golden Harvest. (Rosenfield, 1900.) 7.3. Medium size; pale lilac-rose; fragrant. Dwarf. Midseason. 75 cts. each, \$6 for 10.

Humei. (Anderson.) 5.7. Large, cherry-pink, tipped silver; fragrant. Very late. 75 cts. each, \$6 for 10.

Karl Rosenfield. (Rosenfield, 1908.) 8.8. Double, light crimson flowers of shapely form with distinctly waved and curling petals. Vigorous, floriferous plants with tall, strong stems. The finest red Peony at a moderate price, and by some regarded as the best of all. \$1.50 each, \$14 for 10.



PEONIES, continued

- Kelway's Glorious.** (Kelway, 1909.) 9.8 Immense, pure white flowers with long, deeply fluted petals arranged symmetrically about a lovely, rose-like center. Strong, delicious fragrance. Moderate height, good stems, and a free bloomer when established. One of the finest Peonies in the world and a general favorite for specimens in the landscape. \$12 each.
- Lady Leonora Bramwell.** (Kelway.) 6. Medium silvery pink. 75 cts. each, \$6 for 10.
- La Sublime.** (Parmentier, 1850.) 7.3 Crimson; fragrant. 75 cts. each, \$5 for 10.
- Le Cygne.** (Lemoine, 1907.) 9.9 A gigantic, ball-like bloom of purest cream-white, the broad, waxen petals incurved and overlapping like the feathers on the breast of a swan. The flower is the most nearly perfect of all Peonies and is correspondingly rated. Plant is not tall, rather compact, and blooms abundantly when once established. No Peony has been more eagerly desired and sought for and the stock is still scarce. \$10 each.
- Le Jour.** (Shaylor, 1915.) 8.6 Very large, single white flowers with a glorious golden center. We think it is the loveliest of all the single Peonies, from the first unfolding of its waxen buds to the wide-flung beauty of its broad, undulating petals held firmly through all weathers. A magnificent variety for landscape use because of its strong stems, its floriferousness, and long blooming season. \$2.50 each, \$22.50 for 10.
- L'Indispensable.** 7.3 Large to very large full rose type. Lilac-white, shading to pale violet at the center. \$1 each, \$9 for 10.
- Louis Van Houtte.** (Calot, 1867.) 6.9 Large, dark crimson-purple variety. None better. Late. 90 cts. each, \$8 for 10.
- Madeleine Gauthier.** (Dessert, 1908.) 8.5 Exquisitely tinted silvery pink; single flowers of great size and charm. \$2.50 each, \$22.50 for 10.
- Marie Jacquin.** (Verdier.) 8.3 A very beautiful cup-shaped Peony of pale pink and lilac which opens pure white, with an elusive opalescence that defies description. The incurved petals cluster about its golden center in the most charming fashion and give warrant for its popular name, "The Water Lily Peony." \$1.25 each, \$11 for 10.
- Mary Brand.** (Brand, 1907.) 8.7 Large, globe-shaped blooms of light, showy crimson, a shade darker than Karl Rosenfield, which it resembles superficially, although it is somewhat larger and has other differences. One of the finest red Peonies in beauty of color, growth, and blooming quality. \$2.50 each, \$24 for 10.
- Mikado.** (Japan, 1893.) 8.6 A gorgeous Japanese variety brought to the Chicago World's Fair in the Japanese exhibit in 1893. It has a flaring crimson cup surrounding a bronzy yellow tuft of stamens compactly curled in the center. Extremely showy and brilliant in the landscape, and desirable for its vigorous growth, stiff stems, and great floriferousness. See picture in color page 73. \$2.50 each, \$22.50 for 10.
- Mme. Auguste Dessert.** (Dessert, 1899.) 8.6 Large flower of beautiful rose-pink, with outer petals and center slightly flecked with crimson. A very fine variety for landscape planting. Early midseason. \$2 each, \$18 for 10.
- Mme. de Verneville.** (Crousse, 1885.) 7.9 Very large and fragrant pure white with center tinged carmine. 90 cts. each, \$8 for 10.
- Mons. Jules Elie.** (Crousse, 1888.) An extra-fine early variety with a high mounded center clasped by an enveloping circle of wide, undulating guard petals, all shimmering, silvery pink. One of the finest and largest varieties for all purposes and should be in every garden. \$1.25 each, \$11 for 10.
- Nellie.** (Kelway.) 8.6 Clear, shell-pink, single flowers with a brilliant yellow center. A very beautifully shaped flower. \$1.50 each, \$13.50 for 10.
- Officinalis Alba.** Blush-white. 75 cts. each, \$7 for 10.
- Officinalis Rosea.** Pink. 75 cts. each, \$7 for 10.
- Officinalis Rubra.** Brilliant, glowing, deep crimson. Early. This is the old-fashioned red Peony. \$1 each, \$9 for 10.

PEONIES, continued

- Phoebe Cary.** (Brand, 1907.) 8.8 An exquisite, globular flower of pale, old-rose-pink with a delicate overcast of silvery lavender and lilac. Its broad, imbricated petals give it a strongly individual character and charm. A very tall variety with long bending stems. Late-blooming. \$6.50 each.
- Rosea Plena Superba.** Delicate pink and salmon. 60 cts. each, \$5 for 10.
- Rubra Superba.** (Richardson, 1877.) 7.2 A beautiful, rich, brilliant, dark crimson. Very late. \$1 each, \$9 for 10.
- Solfatare.** (Calot, 1861.) 7.6 Milk-white, with a sulphur-yellow center. Midseason. 90 cts. each, \$8 for 10.
- Souvenir de Louis Bigot.** (Dessert, 1913.) 9.1 A beautifully cupped, semi-double variety of soft, rose-pink shaded with shell-pink and illumined by numerous yellow stamens. One of the most exquisitely colored Peonies in existence, approaching Walter Faxon in this respect. Dwarf, free-blooming plants with strong stems. Midseason. \$6 each.
- The Moor.** (Barr.) 8.0 Single, dark silky garnet flowers with a large showy mass of golden stamens. A fine dark single. \$1.50 each, \$13.50 for 10.
- Therese.** (Dessert, 1904.) 9.8 Very large flowers with long, crisp petals of translucent old-rose-pink, spreading wide as it opens, disclosing a lovely rosebud center. Plant bushy, not tall, and very floriferous. This is one of the best loved Peonies and a prize-winner at all the shows. It carries a rating equal to Kelway's Glorious, and surpassed only by Le Cygne. It is impossible to do justice to its superb beauty here; it must be seen in your own garden to understand the enthusiasm with which all lovers of the Peony regard it. \$3.50 each, \$33 for 10.
- Tourangelle.** (Dessert, 1910.) 9.4 A delicious variety with pale creamy flowers tinted with apple-blossom-pink and pale champagne, deepening to shell-pink at the center. There is probably no Peony of greater delicacy of color and refinement of shape. It is not the most liberal bloomer in the world but is well worth having for its extreme grace and beauty. \$3 each.
- Walter Faxon.** (Richardson.) 9.3 Glowing pink of extraordinary brilliance, almost salmon-pink at times. Midseason. \$3.50 each, \$33 for 10.
- Double Pink, Double Red, and Double White.** 50 cts. each, \$4 for 10.

PAPAVER • Poppy

- *Papaver alpinum.** 6 in. A pretty little alpine Poppy, with nodding, fragrant white flowers. \$1.05 for 3, \$2.70 for 10, \$21 per 100.
- *P. alpinum album.** \$1.05 for 3, \$2.70 for 10, \$21 per 100.
- *P. alpinum roseum.** The pink-flowered form. \$1.05 for 3, \$2.70 for 10, \$21 per 100.
- *P. nudicaule.** *Iceland Poppy.* 1 ft. These produce graceful, orange, white, and yellow flowers all summer. Good for massing in border or rock garden.
- P. orientale.** *Oriental Poppy.* 2 to 3 ft. May to July. Glowing scarlet flowers of giant size, with black blotch at base of each petal. A good plant for hardy or shrubby borders. 90 cts. for 3, \$2.40 for 10, \$18 per 100.

Hybrid Oriental Poppies

50 cts. each, \$4 for 10, \$30 per 100

The Hybrid Oriental Poppies are unrivaled in their barbaric splendor of color, ranging from silvery white, soft pink, and salmon to dark blood-crimson and black-maroon. They are very hardy and are one of the most permanent features of the garden. As they thrive in any good garden soil, they can be easily transplanted during their dormant season.

Beauty of Livermere. 4 ft. Enormous flowers of dark blood-red, sometimes a foot in diameter, with crimped petals and glittering black center.



HYBRID ORIENTAL POPPIES, continued

- Cerise Beauty.** Brilliant salmon-cerise with a glittering black blotch at the base of each petal. 2½ ft.
- Gerald Perry.** Large flowers of pale, apricot-pink blotched with crimson. Very showy and effective.
- Goliath.** 3½ ft. One of the most effective. Strong, erect stems, with enormous scarlet flowers in great abundance.
- Loreley.** Orange-scarlet.
- Mrs. Perry.** 3 ft. Beautiful shade of salmon-pink. One of the finest.
- Olympia.** Semi-double flowers, extremely unusual in this family. They are brilliant scarlet overlaid with orange, giving them a blazing, iridescent sheen. Plants bushy and extremely free-flowering.
- Orange Queen.** Very large flowers of rich orange. Free-flowering and extremely showy.
- Oriflamme.** Immense, handsome flower of brilliant orange-scarlet.
- Oriental King.** Strong stems of upright habit; large crimson-scarlet flowers.
- Perry's White.** Enormous flowers of pure, satiny white with a striking crimson base. Extremely effective in masses.
- Princess Ena.** Tulip-shaped flowers of smaller size than most. Brilliant orange-salmon.
- Princess Victoria Louise.** Soft salmon-pink flowers, shaded to blush-pink.
- Pygmea.** A dwarf little plant with rather small bright orange flowers blotched purple.
- Queen Alexandra.** Beautiful clear rose-pink, with salmon shades.
- Royal Scarlet.** Rich glowing scarlet flowers of medium size, produced in greatest profusion. A strong grower.
- Salmon Queen.** Soft salmon-scarlet, very handsome, medium-sized flowers.

PENTSTEMON

Attractive, showy plants for the hardy border allowing great range for choice in color and habit. The species are among the most permanent and hardy plants. They like full sunshine, but the ground must not be too dry, or they are likely to disappear within a season or two.

Pentstemon acuminatus. *Stiff Pentstemon.* 15 to 18 in. July and August. An attractive and very satisfactory plant with stiff spikes of large lilac flowers changing to purple.

***P. arizonicus.** 6 to 8 in. A low, somewhat sprawling variety with erect stems bearing slender tubular flowers of purplish blue. \$1.20 for 3, \$3.50 for 10, \$27 per 100.

P. barbatus, Coral Gem. 2½ ft. Dense, showy spikes of brilliant coral-red flowers. \$1.05 for 3, \$3 for 10.

P. barbatus, Huntington's Shell-Pink. 2 to 3 ft. June and July. Erect spikes thickly set with bright, clear pink flowers of perfect finish. A very beautiful and hardy variety. \$1.20 for 3, \$3 for 10, \$24 per 100.

P. diffusus. *Bushy Pentstemon.* 1 to 2 ft. June and July. Showy spikes of light purple flowers.

P. heterophyllus. *Violet Pentstemon.* 2 ft. June and July. Flowers of a lovely azure-blue.

P. laevigatus digitalis. *Foxglove Pentstemon.* 3 ft. June and July. Large spikes of long, pure white flowers, with purple-spotted throats. Excellent for planting in shrubby border.

P. torreyi. *Torrey's Pentstemon.* 2½ to 3½ ft. July. One of the best varieties. Tall, loose spikes of scarlet flowers. Will bloom constantly if flowers are cut.

P. tubiflorus. *Tube Pentstemon.* 2 to 3 ft. Slender spikes crowded with whorls of white tubular flowers, sometimes tinged with purple.

PHALARIS

Phalaris arundinacea variegata. *Ribbon Grass. Gardener's Garters.* 2 to 6 ft. An old-fashioned ornamental grass for bedding, specimens, or edging streams and ponds. The leaves are striped lengthwise with yellowish white; flower spikes tall and erect.

PHLOX

About the most satisfactory of all perennials is the Phlox. It deserves a good place in the hardy garden or border. The best effects are obtained by planting masses of each color, not less than six, and even as many as two dozen or more of one kind together. They begin blooming in midsummer and continue until frost. In making selections keep in mind that while descriptions are often similar, the varieties have distinct characteristics and usually bloom at different periods. Our collection includes the finest sorts to be found in this country.

The Phlox family is very large and varies widely in habit and time of blooming. While the *Paniculata* varieties are fine, showy border or massing plants, there are dwarf, early-flowering types which are splendid ground-covers, edging plants, and rock plants.

***Phlox amoena.** *Amœna Phlox.* 4 to 5 in. April and May. Slender, erect plants, with clusters of bright pink flowers. A charming variety.

P. divaricata. *Wild Blue Phlox.* 1 ft. May and June. The flat heads of large, fragrant, lilac-blue flowers are borne on slender, erect stems. One of the most delightful flowers of spring. Beautiful with pale yellow tulips. \$1.20 for 3, \$3 for 10, \$24 per 100.

P. divaricata alba. A white form of the Wild Blue Phlox.

P. divaricata laphami. 1 ft. May and June. A new variety of *P. divaricata*, with darker blue flowers in wide-spreading heads. A splendid variation, blooming over a much longer period. \$1.20 for 3, \$3 for 10, \$24 per 100.

P. glaberrima suffruticosa, Indian Chief. 1½ to 2 ft. June. Clear purple-red flowers in large clusters, borne on erect stems.

P. glaberrima suffruticosa, Miss Lingard. 2 to 3 ft. June and July. A fine white variety with very faint lilac eye and large individual florets.

P. maculata. *Sweet William Phlox.* 2 to 3 ft. July and August. Heads smaller than the varieties of *Paniculata*, which it resembles and of which it is one of the ancestors. The flowers vary through shades of white, pink, and purple.

***P. ovata.** *Mountain Phlox.* 1 to 1½ ft. Erect stems with small clusters of light red flowers about an inch across. A good rock plant.

P. paniculata. *Garden Phlox.* See page 76.

***P. stellaria.** *Mauve Phlox.* 5 to 6 in. April and May. Handsome pale blue flowers. A tufted or creeping variety adapted to edging and rockwork. Much confused with varieties of *P. subulata* which it closely resembles.

***P. stolonifera (reptans).** *Creeping Phlox.* 6 to 12 in. A low, prostrate plant with tufts of light foliage, throwing up slender stems crowned with small clusters of purple and violet flowers. A rock-plant. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***P. subulata.** *Moss Pink.* 4 in. May and June. Forms a carpet of moss-like foliage, covered with pink flowers. A superb ground-cover and rockery plant which gets better year by year. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

NOTE.—We have two varieties of *Phlox subulata*, one light pink, and the other deep pink. Specify which you prefer.

***P. subulata alba.** *White Moss Pink.* A form of *P. subulata*, equally valuable in all respects, with charming white flowers. 75c. for 3, \$2.20 for 10, \$18 per 100.

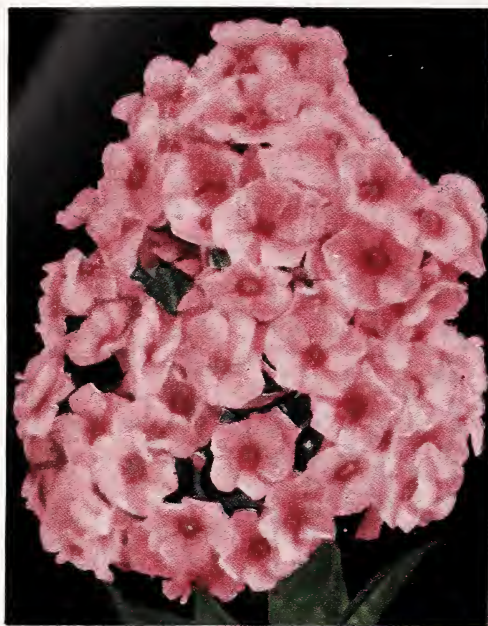
***P. subulata., G. F. Wilson.** *Blue Moss Pink.* Lilac-blue flowers with a lighter center. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***P. subulata lilacina.** Soft light lilac flowers and compact growth. A charming companion for early, pale yellow flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***P. subulata nelsoni.** White flowers occasionally very faintly tinged at the eye. Growth is compact and moss-like. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***P. subulata, The Bride.** White, with red center.

***P. subulata, Vivid.** The brightest purest shade of pink in this group. \$1.50 for 3, \$4 for 10, \$36 per 100.



Phlox paniculata. Johnson's Favorite

Paniculata or Garden Phlox

This is the group of very showy, midsummer-blooming Phlox whose bewildering variety of color is so extremely interesting and beautiful. They are of easiest culture, but care should be taken not to let them seed as the seedlings are inferior and tend to crowd out the original plants, thus giving rise to the notion that they run out. 2 to 4 feet.

We are continually adding new varieties to our collection and will have a number of new things in bloom in our fields this summer. We shall be delighted to show them to interested visitors.

All varieties of *Phlox paniculata*, except as noted, 90 cts. for 3 of a kind, \$2.40 for 10, \$18 per 100

Albion. Medium height; white flowers with pale pink edge. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

Annie Cook. Flesh-pink.

Astrild. Brilliant cochineal-carmine, shaded deeper toward center.

Atlas. Salmon-pink.

B. Comte. Dark amaranth-red of satiny sheen.

Baron von Dedem. Salmon-red; very effective.

Beacon. Brilliant cherry-red.

Blue Hill. This Phlox is the nearest to a blue of any we have seen. \$1.05 for 3, \$3 for 10, \$24 per 100.

Boule de Feu. Cherry-red. Late.

Bridesmaid. White, light pink center.

Camillo Schneider. A very large-flowering variety of brilliant crimson, brighter than B. Comte and does not fade in the garden. The plant is stout, of medium height and bears magnificent trusses of bloom. Remarkable for its vigor, brilliance, and floriferousness, and regarded as the best of this color. \$1.50 for 3, \$4 for 10.

Commander-in-Chief. New. Beautiful crimson-red with darker eye; color does not bleach or fade. \$1.05 for 3, \$3 for 10, \$24 per 100.

Coquelicot. Orange-scarlet. One of the most showy. \$1.05 for 3, \$3 for 10, \$24 per 100.

Count Zeppelin. Very large, clean, white flowers with sharply contrasting scarlet eyes. The brightest and best of the Europa type. \$1.50 for 3, \$4 for 10.

Crepuscle. Shading from crimson center through rose-lilac to a white edge.

PHLOX PANICULATA, continued

Daybreak. A very scarce sort of exquisite refinement of color, dainty apple-blossom-pink, softer and more delicately tinted than the popular Mme. Paul Dutrie. This is one of the very choicest colors and a variety badly needed in gardens to supply the grace and lightness so lacking in midsummer color effects. \$1.50 for 3, \$4 for 10, \$30 per 100.

Debs. The finest red Phlox there is. Color is bright fiery crimson. There is no other Phlox that resembles Debs. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

Deutschland. New. A rich scarlet and orange-red variety with a clear crimson eye. A distinct advance. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

Eclairer. Large carmine-red bloom with salmon-pink center.

Elizabeth Campbell. Bright salmon-pink, dark red eye. One of the really famous varieties. \$1.05 for 3, \$3 for 10, \$24 per 100.

Embracement. Bright orange-scarlet.

Enchantress. Very bright salmon-pink. Large trusses. Similar to Elizabeth Campbell, but a little brighter. \$1.05 for 3, \$3 for 10, \$24 per 100.

Ethel Pritchard. Handsome, stately heads of soft mauve and lilac. A charming sort. \$1.05 for 3, \$3 for 10, \$24 per 100.

Etta's Choice. A late, very tall, free-flowering white.

Europa. Flowers large, white with a decided crimson eye; trusses large.

Firebrand. Bright red with deeper center. \$1.05 for 3, \$3 for 10, \$24 per 100.

Frau G. von Lassburg. Pure white flowers in enormous panicles. Late.

Frau Anton Buchner. Very large, pure white flowers.

General van Heutz. Orange-scarlet with white eye.

Goliath. An excellent red sort with darker eye. Tall; large trusses.

Hans Volmuller. Large, white flowers marbled with pale violet and suffused with mauve. A very delicate color. \$1.50 for 3, \$4 for 10.

Independence. See Mrs. Jenkins.

Iris. 4 ft. Light purple-blue.

Japonaise. Delicate rose, white center.

Jeanne d'Arc. Tall; pure white; late flowering.

Johnson's Favorite. Light salmon-pink with a dark red eye, resembling Elizabeth Campbell, but a strong grower. \$1.50 for 3, \$4.50 for 10, \$39 per 100.

Jules Sandeau. A large, fine very free-flowering, pure pink variety that grows about 15 inches high. \$1.05 for 3, \$3 for 10, \$24 per 100.

Juliet. Light pink, dark red eye.

Julius Heurlin. Light salmon-pink.

L'Esperance. Light lavender-pink, large white center.

L'Evenement. Delicate pink, tinted salmon; dwarf.

Le Mahdi. Large heads of deep velvety purple blooms.

Le Soleil. Brilliant china-rose with light rose center; medium height. Early and free flowering.

Maid Marian. Soft lavender, very even in color. \$1.05 for 3, \$3 for 10, \$24 per 100.

Mia Ruys. 12 in. A good improvement over Tapis Blanc. Pure white blooms in big trusses. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

Michael Buchner. Dark purple.

Mme. Paul Dutrie. Soft pink, suffused with white.

Mme. Prosper Laugier. Bright red, vermilion center.

Mrs. Jenkins. Independence. Pure white; very large truss.

Mrs. Milly van Hoboken. Bright pink with soft mauve suffusion. A splendid Phlox and unquestionably one of the finest of the newer varieties. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

Mrs. P. Pfitzer. A splendid, newly imported variety of a very clear shade of light mauve-pink. It is of dwarf, sturdy habit and a splendid addition to the fine newer Phloxes. \$1.50 for 3, \$4 for 10.

Mrs. Rutgers. Enormous, broad, trusses of extra-large flowers tinted with light, rosy lilac. \$1.20 for 3, \$3.50 for 10.

Mrs. Scholten. Rich, dark salmon-rose of impressive size and finish. Very handsome. \$1.50 for 3, \$4 for 10.

Pantheon. Brilliant rose with lighter center. Very effective.

Peachblow. Delicate pink, rose center; beautiful trusses. Rather dwarf.



PHLOX PANICULATA, continued

- Pecheur d'Island.** A splendid tall variety with deep red blooms.
- Professor Virchow.** Brilliant carmine, overlaid with orange-scarlet.
- Rheinlander.** This new variety has immense blossoms of salmon-pink, with claret eye. \$1.05 for 3, \$3 for 10, \$24 per 100.
- Richard Wallace.** Pure white, violet-rose center.
- R. P. Struthers.** Bright, pinkish salmon; crimson eye.
- Rijnstroom.** Bright carmine-rose.
- Special French.** Mammoth trusses of fine, even form. Florets very large, soft rose-pink with bright eye. Somewhat like Mrs. Milly van Hoboken, but not quite as tall.
- Tapis Blanc.** A beautiful pure white variety with large flowers. A very dwarf grower. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- Thor.** Lively shade of deep salmon-pink, suffused and overlaid with a scarlet glow; aniline-red eye.
- Victor.** Large, bright salmon-pink bloom. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- W. C. Egan.** Very large flowers of delicate lilac, with large, bright sofferino eye. The color effect as a whole is a pleasing shade of soft pink.
- Widar.** Light reddish violet with large white center.

PHYSALIS • Ground Cherry

- Physalis francheti.** *Chinese Lantern Plant.* 1 to 2 ft. Large heart-shaped leaves, with small whitish flowers, followed in the autumn with large, bright, coral-red fruit, enclosed in a brilliant orange-red balloon-shaped bag of papery texture. Fine for decoration in winter.

PHYSOSTEGIA • False Dragonhead

These native plants revel in damp lowlands along streams or in cool fence-corners. They are splendid for naturalizing, and make good border plants, quickly forming broad, permanent clumps. In borders where rare things are growing that are likely to be crowded out by them, it is wise to dig them up every spring and reset them. There will always be plenty of roots left over to use in some other part of the garden.

- Physostegia virginiana alba.** *White False Dragonhead.* July to September. Erect plants with small slender spikes of beautiful white flowers of curious form.
- P. virginiana rubra.** *Red False Dragonhead.* A similar variety with dark pink or rosy red flowers.
- P. virginiana speciosa.** *Tall Cluster False Dragonhead.* 3 ft. August. A tall and very useful form, with showy dark pink flowers.
- P. virginiana grandiflora.** *Vivid.* A wonderful little plant, growing about 15 inches high, with unusually large flowers of glowing mauve-pink. 90 cts. for 3, \$2.40 for 10.

PLATYCODON • Balloon Flower

As soon as the bells of *Campanula medium* have faded, the Platycodons open their handsome, saucer-like flowers and take up the burden of carrying on the beauty of the Bellflower race. Their stems are wiry and very slender and the plants take a season or two to become thoroughly established, so they should not be disturbed when they are growing well. Use them in masses or borders in the same manner as Canterbury Bells.

- Platycodon grandiflorum.** *Balloon Flower.* 18 in. June to October. Large, showy, deep blue flowers.
- P. grandiflorum album.** *White Balloon Flower.* White-flowered form of the above.
- P. grandiflorum mariesi.** *Maries' Balloon Flower.* 12 to 15 in. July until late September. A beautiful dwarf species with broad, thick foliage and large, deep violet-blue flowers.

PLUMBAGO. See *Ceratostigma*.

PODOPHYLLUM

- Podophyllum peltatum.** *Common May-apple.* 1 ft. An erect herb with creeping rootstalks and fibrous roots. The large leaves are usually borne in pairs and look like an umbrella, bearing an exquisite white flower at the point where their stems divide.

POLEMONIUM

- *Polemonium caeruleum.** *Greek Valerian.* 1½ to 2 ft. June to September. Long, fern-like foliage, with the shoots surmounted by terminal clusters of bell-like blue flowers.
- *P. caeruleum album.** *White Greek Valerian.* A handsome pure white-flowered form of the above.
- *P. reptans.** *Jacob's Ladder.* 8 to 10 in. April to June. Dwarf, bushy plant of graceful growth, with showy blue, bell-like flowers with prominent white centers. Fine rock garden and border plant. Not a creeping plant as its specific name would indicate.
- P. humile (richardsoni).** *Dwarf Polemonium.* 15 to 18 in. June to August. Very bushy plant with persistent foliage, handsome all season long, and fine curved clusters of ruffled, blue, bell-like flowers.

POLYGONATUM

- Polygonatum commutatum (giganteum).** *Great Solomon's Seal.* 2 to 3 ft. Long, arching stems, with pairs of lily-like leaves from the joints of which the tiny whitish flowers hang down like little bells. Fine for growing in shade.

POLYGONUM • Fleece Flower

- Polygonum affine.** *Himalayan Fleece Flower.* 12 to 18 in. August and September. An excellent little plant for cool places, with bright rosy-red flowers in dense spikes at the tips of the stems.
- P. cuspidatum (sieboldi).** *Japanese Fleece Flower.* 4 to 8 ft. August and September. A very effective plant for mass effects, with tall, gracefully arching stems covered with a cloud of small whitish flowers in great drooping sprays. Very hardy and useful. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- P. filiforme variegatum.** *Marbled Jumpseed.* 18 in. A long-lasting plant with leaves marbled yellow and pale green; slender spikes of whitish flowers.



Hardy Primulas. See page 78



POTENTILLA • Cinquefoil

Few flowers are more persistent and easily grown than these graceful little relatives of the roses. The leaves and flowers resemble those of the strawberry, and they are particularly pretty and attractive in the rockery during July, when their bloom is most profuse.

- ***Potentilla atrosanguinea.** *Himalayan Cinquefoil.* 18 in. June to August. A bushy, leafy plant with rich crimson, single flowers.
- ***P. fragiliformis.** 6 to 9 in. June. A choice little plant with leaves like a strawberry and large yellow flowers. \$1.20 for 3, \$3.50 for 10, \$25 per 100.
- ***P. grandiflora.** *Alpine Cinquefoil.* 10 to 20 in. June and July. These good, border plants have an abundance of bright yellow flowers and are also very desirable for the rock garden.
- ***P. hippiana.** 6 in. Silvery foliage and rather small yellow flowers. \$1.20 for 3, \$3.50 for 10, \$25 per 100.
- ***P. hirta.** A scarce, but easily grown variety for naturalizing on dry banks or stony places. \$1.20 for 3, \$3.50 for 10, \$25 per 100.
- ***P. hybrida, Miss Willmott.** 9 in. A prostrate plant with masses of foliage and an abundance of bright cerise flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- P. nepalensis (formosa).** *Nepal Cinquefoil.* 1 to 2 ft. July and August. Bushy plant of neat habit, with purple-red flowers. The stems grow long and zigzag during midsummer.
- ***P. purpurea flore-pleno.** A handsome little plant bearing pretty, double, rich purple flowers in great profusion.
- ***P. pyrenaica.** *Pyrenees Cinquefoil.* 10 to 15 in. July and August. This very useful little rock plant is closely related to and resembles the Alpine Cinquefoil, with fine yellow flowers an inch or more broad.
- ***P. tridentata.** *Wineleaf Cinquefoil.* 1 ft. June to August. A splendid plant for dry banks and rockeries, with small clusters of white flowers.

PRIMULA • Primrose

Primroses, Cowslips, and Oxlips are among the plants of song and story. They are none too common in American gardens, chiefly because they do not like hot, dry situations and need the moist, deep ground along a stream-bank or the deep shade of deciduous trees or shrubs. Given the locations they like, and a few leaves scattered over them in autumn, even the fine hybrid strains thrive in a wonderful fashion. Mixed with forget-me-nots, they make a very attractive carpet under the edge of shrubs or along a shady border, but they should always be massed in quantity and fairly close together. Besides the common and fancy varieties of Primroses, we have a few of the more unusual species and varieties of this almost endless family. To grow all the Primroses would be a fascinating and absorbing pastime, but there is scarcely land enough in New England to do it.

- ***Primula acaulis (vulgaris).** *English Primrose.* 6 to 8 in. May and June. The true English Primrose is a delightful, much-prized plant, forming tufted rosettes of leaves among which the charming light yellow flowers nestle on the tip of slender stems. A beautiful little rock-garden plant or edging for an informal path, and makes a delightful combination with myosotis. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- P. auricula.** *Auricula.* 8 to 10 in. May and June. A cluster-flowering Primrose with blooms in various shades of yellow, in most cases showing a distinct eye or dark spot in the center.
- ***P. Beesiana.** 2 ft. Spikes of rich, velvety purple flowers with showy yellow eyes. Unusual and very choice. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

PRIMULA, continued

- P. bulleyana.** 1½ to 2½ ft. Late spring and summer. Long, thin leaves, widest at the ends, with a tall stem bearing several clusters of orange-yellow flowers above each other. A good plant for a half-shady border or among large rocks in the rock-garden. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- P. elatior alba.** *Oxlip.* 8 to 12 in. May and June. Taller and stronger than the Primroses and Cowslips, with big clusters of erect flowers ranging from white to purple. A fine plant of many old associations. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- P. japonica.** *Japanese Primrose.* 1 to 2 ft. Early to midsummer. Strong, handsome plants for rich soil in shady places, producing fine clusters of rosy purple flowers on the top of slender but strong, erect stems. A highly desirable plant.
- ***P. Moerheim's Hybrids.** A handsome strain of the *P. japonica* type with flowers of all colors and shades—yellow, purple, crimson, orange, cream, gold. They like a moist, half-shaded location. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- P. polyantha, Munstead Strain.** 6 to 12 in. May and June. A splendid strain of the popular Polyanthus, comprising flowers of many charming shades of light yellow.
- P. pulverulenta.** *Silverdust Primrose.* 1½ to 3 ft. Early to midsummer. A fine plant for massing in deep, rich soil, and is particularly fine along banks of streams. Much like *P. japonica* but taller, with a silvery stem and darker, almost violet, flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.
- ***P. veris hybrida.** *Drooping Cowslip.* 6 in. April and May. The clustered, drooping flowers range in color from crimson to deep yellow and pure white.
- ***P. veris hybrida.** *Upright Cowslip.* 9 in. April and May. A fine strain embracing a wide range of yellow shades. The flowers are held upright instead of drooping as in the preceding variety.
- P. vulgaris.** See *P. acaulis*.

PYRETHRUM

See *Chrysanthemum coccineum*

PRUNELLA • Self-Heal

- ***Prunella grandiflora.** *Great Self-Heal.* 9 to 10 in. June and July. A pretty little border or rock-plant with large heads of dark violet-blue flowers of curious shape.
- ***P. webbiana.** *Webb's Self-Heal.* 1 ft. Round heads of showy purple flowers throughout the summer.

PULMONARIA • Lungwort

- ***Pulmonaria saccharata.** *Betlehem Lungwort.* 9 to 15 in. Pale reddish blue flowers in clusters. Foliage handsome. A shade-loving plant. \$1.20 for 3, \$3.50 for 10, \$27 per 100.

RANUNCULUS • Buttercup

- Ranunculus acris flore-pleno.** *Tall Double Buttercup.* 2 ft. May to September. Flowers deep glossy golden yellow and very double. Leaves coarsely toothed or cut. This is one of the many plants referred to as Bachelor's Buttons.
- R. repens.** *Creeping Buttercup.* 8 in. May to July. A charming little plant having flowers of glossy yellow and prostrate branches often 2 feet long.

RUTA

- ***Ruta graveolens.** *Common Rue.* 1½ to 2 ft. July. Panicles of small, fragrant flowers and divided leaves. An old-time medicinal herb of value for association's sake. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

Unless otherwise noted, all perennials are 90 cts. for 3, \$2.40 for 10, \$18 per 100



RUDBECKIA • Coneflower

These very showy plants are found in most gardens in one or more of their many forms. They are easy to grow, very persistent, and the single-flowered varieties fit splendidly into any naturalistic planting. *Rudbeckia triloba* is especially fine in late autumn at the edge of shrubberies and mixed with the late blue aconitums, while *R. speciosa* and the lighter yellow varieties are excellent with the stronger-growing delphiniums. They are really good only in masses, except such as Golden Glow, which is best grouped in clumps of four or five together for some emphatic point in the garden.

Rudbeckia fulgida. *Orange Coneflower.* 2 ft. August and September. This plant bears numerous heads of bright orange-yellow flowers, with deep purple disk. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

R. laciniata, Golden Glow. 5 to 6 ft. July to September. A very popular hardy perennial, with masses of double bright golden yellow flowers. Fine for screening and planting near stone walls. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

R. laciniata, Reine d'Or. *Dwarf Golden Glow.* 3 to 4 ft. July to September. A pretty dwarf form of Golden Glow. 90 cts. for 3, \$2.40 for 10.

R. purpurea. See *Echinacea purpurea*.

R. speciosa (newmanni). *Showy Coneflower.* 2 to 3 ft. July to October. Large yellow or orange-yellow flowers 3 to 4 inches across. Fine for cutting.

R. subtomentosa. *Sweet Coneflower.* 2½ to 3 ft. August and September. Brilliant lemon-yellow flowers with dark purple centers. 90 cts. for 3, \$2.40 for 10.

R. triloba. *Brown-eyed Susan.* 3 to 5 ft. July and August. Dense, bushy plant with numerous-rayed, deep yellow flowers which form brilliant masses of color.

SALVIA

***Salvia azurea grandiflora.** *Great Azure Sage.* 2 to 3 ft. August and September. Plants of shrubby habit, with beautiful light blue flowers in long, slender spikes.

S. azurea pitcheri. 2 to 3 ft. September and October. More branching habit than above, with large flowers of rich gentian-blue. This is a very handsome and showy variety which we highly recommend. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. argentea.** *Silver Sage.* 2 to 3 ft. June. Large silvery foliage and white flowers.

S. officinalis. *Garden Sage.* 1 to 2 ft. June and July. Aromatic whitish, somewhat downy leaves, used for herbs and flavoring. Flowers come in whorls, varying in size and color from blue to white.

***S. pratensis.** *Meadow Sage.* 2 to 3 ft. June to September. Useful plant for borders, with violet-blue flowers in showy spikes.

***S. sclarea.** 2 to 3 feet. July to September. A fine graceful plant with slender spikes of clear pink or lavender pink. Pretty with Madonna Lilies and in the rock garden. \$1.50 for 3, \$4 for 10.

SANGUINARIA

***Sanguinaria canadensis.** *Bloodroot.* 6 to 10 in. April and May. Delicate, starchy, pure white flowers on soft, red, juicy stems, followed by tall, broad, gray leaves. One of the most beautiful native wild flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

SANTOLINA

***Santolina chamæcyparissus.** *Lavender Cotton.* 1½ to 2 ft. A dwarf evergreen perennial, with attractive silver-white foliage and yellow flowers. It is useful as a rock or border plant and largely used for massed bedding.

SAPONARIA

***Saponaria ocymoides.** *Rock Soapwort.* 6 in. May to August. A half-trailing plant, useful for rock-work, with bright pink flowers in loose, broad cymes. Very showy and effective clambering over stones. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. officinalis flore-pleno.** *Double Bouncing Bet.* July and August. Pretty variety, with broad heads of double pink flowers. Fine for wild-garden. Spreads very rapidly and is most persistent thriving in very inhospitable soils.

SAXIFRAGA

A very interesting group of dwarf plants, chiefly valuable for rockeries or low borders. There are innumerable species and varieties, and we have assembled here what we consider the best of the various types. They are all charming and easily grown, provided they are not exposed to scorching summer heat. For that reason they are best planted in the shade of late-starting deciduous shrubs. Their greatest beauty is in the even, showy sheets of bloom they make when well grown in masses, and for that reason they should be planted liberally and fairly close together.

***Saxifraga aizoon.** Neat little tufted plants with rosettes of silvery-edged leaves. The flowers are white, sometimes faintly tinged pink, in graceful sprays. \$1.20 for 3, \$3.50 for 10.

***S. bathoniensis alba.** A mossy variety of great charm; flowers white and very freely produced. \$1.05 for 3, \$3 for 10.

***S. cordifolia.** *Heartleaf Saxifrage.* 15 in. April and May. A strong-growing species with large, waxy foliage and clusters of bright rose-colored flowers on the tips of tall stems very early in the spring. Fine among large rocks or ledges. \$1.05 for 3, \$3 for 10, \$20 per 100.

***S. caespitosa.** The true variety is very rare, the name being applied usually to hybrids. The plant is tufted, mossy and bears three or four white flowers on each of its short purplish stems. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. cochlearis.** 4 in. Massed silvery rosettes with thick recurved leaves and large showy white flowers on red stems. A very beautiful rockery plant. It likes lime. \$1.05 for 3, \$3 for 10.

***S. crassifolia.** *Leather Saxifrage.* 12 to 15 in. April to June. This showy, spreading plant has drooping masses of pink flowers high above the large, clustered leaves. A fine rock-plant. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

S. MacNabiana. 1 ft. May and June. Numerous clusters of white flowers heavily speckled with large pink purple dots. \$1.05 for 3, \$2.50 for 10, \$20 per 100.

***S., Mossy Varieties.** 6 in. or more. Pretty cushions of bright, emerald green foliage with variable flowers. Some plants producing white flowers, others various shades of pink and red, in graceful sprays. They like shade and some moisture but must be preserved from dampness during the winter. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. oppositifolia.** *Twineleaf Saxifrage.* 6 in. Trailing or prostrate little plants starred with large, showy flowers, usually of some lilac or violet shade. A splendid species which produces mats of glorious color in early spring. \$1.05 for 3, \$3 for 10.

S. virginianensis. *Virginia Saxifrage.* 3 to 12 in. April to June. A dainty little native varying greatly in height according to soil and moisture. It will grow on almost bare rock, producing a tiny, russet-tinted rosette of roundish leaves and a slender stem with a cluster of little white flowers. Likes a somewhat shady place. \$1.05 for 3, \$3 for 10.

Remember, 5 or more plants of one kind will be priced at rate for 10, and 25 or more of one kind at rate per 100



SCABIOSA

These are handsome, bushy plants suited to any good border, thriving in sunny locations and producing great quantities of beautiful flowers on fine cutting stems. They should be grown in quantity for their excellent decorative effect.

Scabiosa caucasica. *Caucasian Scabiosa.* 18 in. June to September. Vigorous, handsome border plant with large, soft lilac-blue flowers on long stems, useful for cutting. \$1.05 for 3, \$2.70 for 10, \$21 per 100.

S. caucasica alba. *White Caucasian Scabiosa.* A charming variety of the preceding with white flowers. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

S. japonica. *Japanese Scabiosa.* 2 ft. July to September. This Japanese variety has beautiful blue flowers in great abundance.

S. pennsylvanica. See *Cephalaria tatarica*.

S. sylvatica. 18 in. July to September. Flowers purple-pink and very pretty. \$1.05 for 3, \$3 for 10.

SEDUM • Stonecrop

Of easiest possible culture, the Sedums will thrive for almost everyone, and apparently in some of the most inhospitable places. They will not endure dampness, however, and should always be planted so that their roots are high and dry. Ideal for rockeries, cracks between stones, covering bare sandy patches of sterile ground, and for innumerable places where hard-luck plants are needed.



Thalictrum dipterocarpum (top), *aquilegifolium* (middle), and *aquilegifolium purpureum* (bottom). See page 83

SEDUM, continued

***Sedum acre.** *Gold Moss.* 4 in. May and June. A little, low, tufted plant with pulpy light green leaves and with masses of yellow flowers. Good for edging and covering ledges. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. album.** *White Stonecrop.* 4 to 6 in. July and August. Very pretty creeping variety, with small foliage and tiny white flowers on pinkish stems. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. anglicum.** 3 in. Rose and white flowers. A rare variety of excellent, neat habit for small crevices in the rockery.

***S. dasyphyllum.** *Leafy Stonecrop.* 2 to 4 in. Tufted, branching plant with crowded, fleshy leaves, studded with crystals. Flowers pinkish in flat clusters. \$1.05 for 3, \$3 for 10, \$25 per 100.

***S. ewersi.** *Ewer's Stonecrop.* 4 to 6 in. September to October. Trailing plant, with broad, glaucous leaves and purplish pink flowers.

***S. ewersi turkestanicum.** *Violet Stonecrop.* 8 in. A dark violet flowered form of the foregoing. Attractive and hardy. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. kamtschaticum.** *Orange Stonecrop.* 6 to 9 in. July and August. Pulpy, bright evergreen foliage, with golden flowers in flat clusters.

***S. lydium.** *Lydian Stonecrop.* 2 in. Forms a dense carpet of bright green, turning red in dry, sunny locations. Pure white flowers on short stems. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. maximowiczii.** *Amur Stonecrop.* 12 in. A good border and rock plant, covering the earth with a dense mat of its tiny yellow flowers.

***S. maximum.** *Great Stonecrop.* 1 to 2 ft. September and October. A vigorous, bushy border plant with pinkish or whitish flowers.

***S. maximum haematodes (atropurpureum).** 1 to 2 ft. September and October. Metallic brown foliage and red flowers. Very effective for borders.

***S. pruinastrum forsterianum.** Small, tufted plant, with round bunches of tiny yellow flowers.

***S. reflexum.** *Jenny Stonecrop.* 8 in. Trailing habit with erect flower-stems with clusters of yellow flowers. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

***S. rupestre.** 6 in. or more. Closely allied to *S. reflexum* in habit and appearance. Dense heads of yellow flowers.

***S. sarmentosum.** *Stringy Stonecrop.* A slender, creeping plant with whorled, thread-like leaves and flat heads of small, fleshy, yellow flowers.

***S. sexangulare.** *Hexagon Stonecrop.* 2 to 3 ft. Very slender stemmed massing plant, similar to *S. acre*, but with brown foliage.

***S. sieboldii.** *Siebold Stonecrop.* 6 in. August to September. This variety has broad, bluish gray foliage, margined with pink, and rose-pink flowers. Quite showy. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. spectabile.** *Showy Stonecrop.* 18 in. An erect-growing plant with broad green foliage and large heads of handsome rose-colored flowers. One of the best plants for rock garden or border of shrubby bed. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. spectabile, Brilliant.** 1 ft. September and October. A more richly colored form of *S. spectabile*, being a bright amaranth-red. 90 cts. for 3, \$2.50 for 10, \$20 per 100.

***S. spectabile atropurpureum.** *Purple Showy Stonecrop.* 12 to 18 in. September and October. This form has rich, rosy red flowers and metallic brown foliage. Very showy and effective for borders.

***S. stoloniferum.** *Running Stonecrop.* 4 in. July and August. A trailing plant, and one of the most desirable Sedums. It has flat, fleshy leaves and pink flowers.

***S. ternatum.** *Mountain Stonecrop.* 3 to 6 in. May and June. A small-leaved, very spreading plant with triangular clusters or sprays of starry white flowers. A very charming sort. 90 cts. for 3, \$2.40 for 10.



SEMPERVIVUM • Houseleek

A most interesting group of plants suitable for dry walls, rockeries, and edgings. All of them form firm, fleshy rosettes of foliage with smaller offsets, from which they derive their common name of "Hen and Chickens." Few of them bloom much in summer, and they are attractive chiefly for their very curious habit and amusing form.

***Sempervivum alberti.** 8 in. Medium-sized rosettes of pointed leaves and bright rose-red flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. arachnoideum.** Spiderweb Houseleek. 6 in. A lacy network of fine threads spreads from tip to tip of leaves, giving a cobweb-effect. The flowers are bright red. Curious and very interesting plants. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. assimile.** 6 in. Compact rosettes of pale gray-green leaves and large, pale pink flowers with narrow petals. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. fauconati.** 4 to 6 in. The small leaves are arranged in rosettes and the flowers are red. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. fimbriatum.** Fringed Houseleek. 6 to 10 in. Rosettes reddish at base very downy and fringed with hairs at the tips. Flowers red, in loose spikes. Pretty. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. globiferum.** Globe Houseleek. 1 ft. Flattish rosettes of gray leaves with small yellow flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. hispidulum.** Dark foliage in tiny rosettes and deep purplish red flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. potsi.** Small rosettes of dark leaves and yellow blossoms. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. soboliferum.** Hen and Chickens. 6 to 9 in. Compact little tufts with many loosely attached offsets which roll away and make new colonies. Pretty silvery foliage, lightly tinged bronze. Flowers yellow, in dense, fleshy spikes. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***S. tectorum.** Roof Houseleek. Broad rosettes of green leaves with reddish tips and light red flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

SIDALCEA • Prairie Mallow

Sidalcea candida. White Prairie Mallow. 2 to 3 ft. June. A fine border plant, with large, pyramidal heads of pure white flowers about an inch long. Thrives best in moist, loamy soil.

S. Rosy Gem. 4 ft. One of the finest of the new hybrid sorts. Its graceful spikes of rose-pink flowers resemble the larkspur.

SILENE • Catchfly

A very pretty family of plants related to the pinks. They make showy little edgings and have very attractive flowers and foliage. Most of them are deep-rooting and will endure rock-garden conditions. The native *S. pennsylvanica* is perfectly at home on dry, sterile banks.

***Silene alpestris.** A showy variety with bright green glossy foliage and pure white flowers. \$1.05 for 3, \$3 for 10, \$24 per 100.

S. maritima. Sea Campion. 2 to 4 in. June. A dwarf plant with white flowers about 1 inch across. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***S. schafta.** Schafta Catchfly. 4 to 6 in. June to September. Cushion-like plant with clusters of rose-pink flowers on stems springing from the rosettes of leaves. Beautiful for rock garden or edging.

***S. virginica.** Fire Pink. 1 to 2 ft. June and July. Thin, erect plants with loose cluster of blazing scarlet flowers with fringed petals. A superb rock plant in moderately dry and not too shady places. 90 cts. for 3, \$2.40 for 10.



Trollius. The orange is Excelsior; the yellow is Eleanor
See page 83

SILPHIUM • Rosin Weed

Silphium laciniatum. Compass Plant. 5 to 6 ft. July to September. A vigorous grower with very decorative foliage. The yellow flowers droop above luxuriant greyish green leaves.

S. perfoliatum. Cup Rosin Weed. 6 to 8 ft. July to mid-September. Showy heads of yellow flowers.

SISYRINCHIUM

Sisyrinchium angustifolium (bermudianum). Common Blue-eyed Grass. 1 ft. May to August. A very pretty grass-like plant with delicately beautiful little blue flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

SOLIDAGO • Goldenrod

The Goldenrods are too well known to need extensive description. They are showy at the backs of borders, in meadow plantings, and along the edges of groves or thickets. For bold landscape effects they are unequalled, giving a mass of brilliant color from midsummer until autumn, and the dead heads are still beautiful and graceful as they sway above the winter snow.

Unless otherwise noted, all Perennials are 90 cts. for 3, \$2.40 for 10, 18 per 100



SOLIDAGO, continued

- Solidago canadensis.** *Canada Goldenrod.* 3 to 4 ft. July to early October. A tall species that is fine for sandy, open places. The numerous flowers are golden yellow, in large, rather flat heads. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- S. rigidus.** *Stiff Goldenrod.* 2 to 3 ft. August and September. A bold plant with large, heavy foliage and immense heads of rich yellow flowers. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- S. rugosa.** *Wrinkled Goldenrod.* 2 to 3 ft. August and September. Massive heads of yellow flowers and large, heavy foliage. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- S. sempervirens.** *Seaside Goldenrod.* 2 to 3 ft. August and September. Very large leaves and large yellow flowers. One of the best Goldenrods. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

SPIRÆA

For herbaceous plants commonly listed under this name see Aruncus, Astilbe and Filipendula.

STACHYS • Betony

- *Stachys grandiflora.** *Big Betony.* 12 in. June and July. A fine border plant, with heavily veined leaves and pretty spikes of rosy pink flowers.
- *S. grandiflora superba.** *Maure Betony.* 12 to 18 in. July to September. Spikes of rosy purple flowers. Fine for shrubby border.
- *S. lanata.** *Woolly Betony.* 1 ft. July. A very useful plant for edging because of its dense, attractive, silvery white foliage which is particularly effective in showing off the small, delicately tinted, purple flowers.

STATICE • Armeria

There is much confusion in the names of these plants. Those commonly called Statice will be found under Limonium, and here are listed those plants usually found under Armeria. This nomenclature is in accord with best authorities.



Statice pseudo-armeria rubra (Armeria cephalotes rubra)

STATICE, continued

They are fine rock garden or edging plants, forming dense carpets or rosettes of foliage above which their globular flower-heads sway on slender stems.

- *Statice armeria (Armeria maritima).** 3 to 6 in. May and June. Valuable for edging. Flowers fine light purple-rose. Foliage grass-like, evergreen, in dense sods. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- *S. armeria alba (Armeria maritima alba).** 3 to 6 in. May and June. Tufts of deep green foliage; white flowers.
- *S. armeria lauchiana.** 3 to 6 in. April to June. Bright rose-colored flowers. Excellent for rock garden or edging. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- *S. armeria lauchiana robusta.** 8 to 10 in. June to October. Large crimson flowers. Very useful for edging and cutting.
- S. latifolia.** See *Limonium latifolia*.
- S. plantaginea leucantha (Armeria dianthoides).** *White Plantain.* 12 in. or more. Tufts of narrow foliage and large, dense heads of pure white flowers.
- *S. pseudo-armeria rosea (Armeria formosa rosea).** 12 to 15 in. Rather broad leaves in large rosettes and slender stems bearing brilliant pink flower-heads. 75 cts. for 3, \$2.20 for 10, \$15 per 100.
- *S. pseudo-armeria rubra (Armeria cephalotes rubra).** 12 to 18 in. Densely tufted plants, with large, rich crimson flower-heads on tall, slender stems. An exceedingly lovely and graceful plant superior to the other Armerias in all respects. Stock is always in heavy demand and consequently scarce.

STELLARIA

Stellaria holostea. *Easter Bells.* A prostrate, branching plant, varying from 6 to 18 inches in height and producing an abundance of white, star-like flowers in May and June. Useful for dry banks where grass will not grow and for other ground-covering purposes. 90 cts. for 3, \$2.40 for 10.

STENANTHIUM

- *Stenanthium robustum.** *Feather Fleece.* 3 to 4 ft. Long, slender leaves and tall stems with showy panicles of white, feathery flowers often 2 feet long. Valuable for naturalizing in moist, shady corners. 90 cts. for 3, \$2.40 for 10, \$20 per 100.

STOKESIA

- Stokesia laevis (cyanea).** *Stokesia.* 1 to 2 ft. July to October. A charming plant, with very large, lavender-blue flowers resembling the centaureas. Of great value for border and cutting.
- S. laevis alba.** *White Stokesia.* A variety of the preceding with pure white flowers.
- S. laevis rosea.** *Rose Stokesia.* A pink form of *S. laevis*. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

TEUCRIUM

- *Teucrium chamædrys.** *Chamædrys? Germander.* 1 ft. July to September. Terminal spikes of bright rose flowers, the lower lips spotted with red and white; evergreen foliage. An especially good plant for late summer bloom.

THALICTRUM • Meadowrue

Unusually graceful plants, beautiful both in flower and foliage, which remain attractive throughout the whole season. The showy part of the flowers is usually the long, thread-like stamens which are very delicately colored, giving a most airy, foam-like quality to the bloom. Beautiful either as specimens or masses, but they look best in masses at the edge of shrubs or at the center or rear of borders, depending upon the height of the varieties chosen.



THALICTRUM, continued

Thalictrum aquilegifolium. *Columbine Meadowrue.* 2 to 3 ft. May to July. A very graceful border plant, with heads of feathery cream-colored flowers. Its finely cut foliage resembles that of the columbines. Good for rock garden.

T. aquilegifolium purpureum. *Purple Columbine Meadowrue.* Similar to the preceding but with showy purple stamens, giving a soft misty beauty to the flowers.

T. delavayi. 2½ to 3 ft. June and July. A highly valued plant with lovely blue-green foliage and large flowers of handsome lilac color. A very graceful and striking variety. Good for cutting. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

T. dipterocarpum. *Yunnan Meadowrue.* 4 ft. August and September. Flowers violet-mauve with lemon-yellow stamens. A very graceful, showy, and beautiful plant. \$1.05 for 3, \$3 for 10, \$24 per 100.

T. glaucum. *Dusty Meadowrue.* 2 ft. June and July. Fine-cut grayish foliage; bronzy yellow flower. June.

***T. minus adiantifolium.** *Maidenhair Meadowrue.* 1 to 2 ft. June to mid-July. Grown for the foliage, which is grayish and resembles that of the maiden-hair fern. Charming in the border as edging or in rock garden.

T. polygamum. *Tall Meadowrue.* 3 to 5 ft. July and August. Very vigorous and bushy growth, with giant heads of whitish flowers. It likes wet places.

T. sulfureum. *Sulphur Meadowrue.* A hybrid variety from the famous hybridizer Lemoine. It bears immense panicles of charming sulphur-yellow flowers.

THERMOPSIS

Thermopsis caroliniana. *Carolina Thermopsis.* 3 to 4 ft. June and July. A tall plant with bright yellow, pea-shaped blossoms along the upper part of the stalk, and clover-like foliage. Fine for wild-garden or half-shady places in the shrubbery. \$1.20 for 3, \$3 for 10, \$24 per 100.

T. mollis. *Soft Thermopsis.* 2 to 3 ft. Mid-May to August. Erect, branching plant with yellow flowers in showy spikes. A good border subject. \$1.20 for 3, \$3 for 10, \$24 per 100.

THYMUS • Thyme

Tiny, old-fashioned sweet herbs valuable for edging, stone work, and low carpet bedding. *Thymus serpyllum* is usually evergreen. Splendid for steps and walks for the fragrance exhaled when the plants are brushed or bruised.

***Thymus serpyllum.** *Mother-of-Thyme.* 6 in. Creeping, evergreen plant much prized for edging, rock-work, and ground-cover. It has tiny lilac flowers and odorous leaves used for seasoning. A very leafy and attractive plant.

***T. serpyllum album.** *White Mother-of-Thyme.* 4 in. June to August. A pretty subject for rockery with dark green foliage and little white flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***T. serpyllum citriodorus.** *Lemon-scented Thyme.* 4 in. Very similar to the common Thyme, with tiny pink flowers and sweet foliage. Excellent for rock garden.

***T. serpyllum coccineus.** *Crimson Thyme.* 2 to 4 in. A similar form with bright crimson flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***T. serpyllum lanuginosus.** *Woolly Thyme.* 3 to 4 in. June to August. Downy gray foliage. Effective for compact carpeting and edging.

***T. serpyllum roseus.** A rare form of the common thyme making a lovely carpet of pure pink in early summer. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***T. serpyllum vulgaris.** *Common Thyme.* 6 in. June and July. An old garden plant, being grown as a sweet herb. The small, lilac or purplish flowers are borne in terminal, interrupted spikes. Foliage very fragrant. Fine for rock garden.

TIARELLA

***Tiarella cordifolia.** *Allegheny Foam Flower.* 6 to 12 in. May. An elegant plant with fine foliage and small, creamy white, star-shaped flowers in clusters on slender stems. A near relative of the heucheras.

TRADESCANTIA

Tradescantia virginiana. *Virginia Spiderwort.* 2 ft. An old garden plant, with grass-like foliage and violet-blue flowers all summer.

T. virginiana alba. *White Spiderwort.* White. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

TRILLIUM

***Trillium grandiflorum.** *Snow Trillium.* 9 in. May. The large, white, three-petaled, lily-like flowers nod at the center of a cluster of three big leaves and change to rosy pink as they fade. Fine for planting in shade. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

***T. erectum.** *Purple Trillium.* 1 ft. or more. The flowers are smaller than the preceding and brownish purple, sometimes tinted green. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

TRITOMA. See Kniphofia

TROLLIUS

Very showy flowers of globular shape, resembling giant buttercups. They like damp places, not necessarily shaded as some of them develop their best colors only in sunlight. They are splendid for massing along water-courses for display, and are equally good in the garden for cut-flowers.

Trollius asiaticus. *Siberian Globe Flower.* 1 to 1½ ft. May and June. Large orange flowers on leafy stems which are suitable for cutting. 50 cts. each, \$4 for 10.

T. asiaticus giganteus. Similar to *T. asiaticus*, but much taller and stronger. 50 cts. each, \$4 for 10.

T. europaeus. *Common Globe flower.* 1 to 1½ ft. May to August. A valuable border perennial, with large, globular, lemon-yellow buttercup-like flowers on long stems. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

T. europaeus, Eleanor. 18 inches. Flowers clear yellow and double the size of *T. europaeus*. A fine variety. 50 cts. each, \$4 for 10.

T. europaeus, Fire Globe. Dark orange-red flowers of unusually beautiful form and excellent size. 50 cts. each, \$4 for 10.

T. europaeus japonicus. *Japanese Globe Flower.* 8 to 12 in. Beautiful, semi-double orange yellow flowers. 50 cts. each, \$4 for 10.

T. europaeus loddigesii. *Goldenball Trollius.* Similar to *T. europaeus* but has larger and deep yellow flowers. 50 cts. each, \$4 for 10.

T. europaeus, Orange Globe. 2 ft. June to August. A strong, sturdy grower, with large, globular flowers of a rich, deep glowing orange. Free blooming. 50 cts. each, \$4 for 10, \$36 per 100.

T. europaeus japonicus, Excelsior. 2 ft. Rich orange flowers. 50 cts. each, \$4 for 10.

T. ledebouri. *Ledebour Globe flower.* A giant in the family, 3 feet or more tall. Flowers bright yellow, spread open more than other sorts. 40 cts. each, \$3.50 for 10, \$30 per 100.

TUNICA

***Tunica saxifraga.** *Saxifrage Tunic Flower.* 6 in. Blooms all summer. A dwarf, tufted, rock-plant with pinkish flowers and most delicate foliage.

***T. saxifraga alba.** A white-flowered form of the above.

VALERIANA

Valeriana officinalis. *Garden Heliotrope.* 4 ft. June. Numerous trusses of pinkish lavender flowers with a delicate vanilla fragrance. Foliage showy.

V. centranthus. See *Centranthus ruber*.

V. officinalis alba. *White Valerian.* 3 ft. June and July. Heads of lilac-white flowers.

Unless otherwise noted, all perennials are 90 cts. for 3, \$2.40 for 10, \$18 per 100



VERBASCUM • Mullein

The Mulleins are bold, showy plants, very effective in naturalistic planting and for emphatic effects in the wilder part of the garden. Their foliage is striking and makes a beautiful contrast with the brighter leaves of other perennials.

Verbascum densiflorum (thapsiforme). 4 to 6 ft. June and July. The yellow flowers have mahogany centers and are clustered along the much-branched stems.

V. hybridum, Miss Willmott. 6 ft. A very beautiful variety with large, pure white flowers produced on picturesque plants over a long season. \$1.05 for 3, \$3 for 10.

V. longifolium pannosum. Golden Gate Mullein. 3 to 4 ft. A very vigorous, woolly plant with tall, showy spikes of sulphur-yellow flowers.

V. olympicum. Olympic Mullein. 6 to 10 ft. July. A stately variety, with large, woolly, silvery white foliage and bright yellow flowers in branching spikes.

V. phoeniceum. Purple Mullein. 2 to 3 ft. Flat rosettes of crinkly leaves from which rise slender spikes of beautiful mauve-purple and rosy violet flowers. Showy and very desirable. \$1.05 for 3, \$3 for 10.

VERBENA

Verbena hastata. Blue Vervain. 4 to 6 ft. August and September. This bold, wiry plant has tough, narrow leaves and long, slender spikes of rich, intensely blue-violet flowers. Showy in meadow or wild-garden.

VERNONIA • Ironweed

Vernonia crinita (arkansana). Bur Ironweed. 5 ft. September. Large heads of purple flowers. 90 cts. for 3, \$2.40 for 10.

V. noveboracensis. Common Ironweed. 3 to 6 ft. July to September. One of the noblest and showiest of our native flowers. A tough and rather coarse plant with beautiful heads of violet and purple blooms. Contrasts especially well with groups of helianthus. 90 cts. for 3, \$2.40 for 10.

VINCA

Vinca minor. Common Periwinkle. See Evergreen Shrub Section.

VINCETOXICUM. See Cynanchum

VERONICA • Speedwell

A large and very interesting family varying from creeping rock plants to husky shrubs. They all do well in rather moist soil and half shade, but prefer the full sunlight. In masses they make a vivid splash of rich blue in their season, and the foliage of all of them is attractive after their flowers are gone.

***Veronica gentianoides.** Gentian Speedwell. 1 to 1½ ft. May. One of the earliest and most valuable border plants. It has attractive pale blue flowers with darker streaks.

***V. incana.** Woolly Speedwell. 1 ft. July and August. A white woolly plant with numerous blue flowers. It is of good appearance both in and out of bloom. Useful in rockery or border.

V. longifolia alba. White Beach Speedwell. 1 to 1½ ft. July to September. A strong, leafy plant, with upright spikes of pure white flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

V. longifolia subsessilis. Clump Speedwell. 2 ft. July to September. One of the handsomest blue-flowering plants. It is perfectly hardy and increases in strength and beauty each year. Spikes completely studded with beautiful blue flowers. Fine for cutting and one of the best plants for the hardy border. \$1.20 for 3, \$3.50 for 10.

VERONICA, continued

V. longifolia, Blue Jay. 2 ft. A handsome variety with the glorious blue-violet color of *V. spicata* and the general habit and foliage of *subsessilis*. \$1.20 for 3, \$3.50 for 10.

***V. repens.** Creeping Speedwell. 3 to 4 in. May and June. A useful rock or carpeting plant with light blue flowers, as it covers bare spaces rapidly. It prefers a moist situation but does well in dry soil. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

V. spicata. Spike Speedwell. 18 in. June and July. Long spikes of violet-blue flowers. One of the best plants for a sunny border.

V. spicata alba. White Speedwell. A similar variety with long spikes of snowy white flowers.

***V. spuria (amethystina).** Bastard Speedwell. 2 ft. May and June. A slender, upright, leafy plant, with many narrow spikes of dark blue flowers. One of the best varieties for rockwork.

***V. spuria, Royal Blue.** 1 ft. May and June. A bushy plant with a great abundance of bright blue spikes. Very showy. \$1.05 for 3, \$2.70 for 10.

***V. spuria, True Blue.** 10 to 12 in. June to August. A new variety of dense habit with clear, dark blue flowers. \$1.05 for 3, \$2.70 for 10.

***V. rupestris.** Rock Speedwell. 4 in. May and June. An excellent plant for carpeting rockeries or bare spots. Dense spikes of blue flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***V. rupestris, Heavenly Blue.** A splendid light blue form. Very attractive. \$1.20 for 3, \$3.50 for 10, \$30 per 100.

V. rupestris rosea. 2 ft. June to September. A much-branched variety with pink flowers. \$1.05 for 3, \$2.70 for 10, \$20 per 100.

***V. rupestris Trehani.** Of same general type as *V. rupestris* but the foliage makes a lovely show of greenish gold. \$1.05 for 3, \$3 for 10.

V. traversi. Bush Speedwell. A shrubby plant reaching 3 feet in diameter and nearly that in height. Very bushy, covering itself with slender spikes of white flowers. \$1.20 for 3, \$3.50 for 10.

V. virginica. Culver's Physic. 3 ft. or more. August and September. An erect plant with terminal spikes of pale blue flowers. Good for wild-gardens.

V. virginica alba. 4 ft. A similar form with erect spikes of white flowers.



Viola, Jersey Gem



VIOLA

The Violet family is large and contains many useful and showy plants. Besides several distinctive species, we list a choice selection of varieties of the beautiful Violas. These are especially good for edging in rather moist, half-shady places. They are excellent at the edge of rose-beds and just at the edge of low-growing shrubs.

***Viola bosniaca.** 4 in. A distinct alpine species with very pretty rosy pink flowers. \$1.05 for 3, \$3 for 10, \$20 per 100.

***V. cornuta.** *Tufted Pansy.* 8 in. April till frost. A hardy variety with large, pale blue flowers of violet form. A fine border plant. For various hybrid varieties, see Tufted Pansies.

***V. cornuta alba.** (Type.) *White Tufted Pansy.* Large, white-flowered variety of above. A constant bloomer.

***V. cornuta atropurpurea.** (Type.) *Purple Tufted Pansy.* Deep violet-blue flowers with distinct violet fragrance. Blooms all summer. One of the best for border or rock garden.

***V. cornuta, G. Wermig.** 8 in. Produces masses of rich dark blue flowers on long stems throughout the summer. For border or rock garden. 90 cts. for 3, \$2.40 for 10, \$20 per 100.

V. cucullata. *Blue March Violet.* 8 in. April and May. Dark blue flowers, freely produced on long stems. Fine for planting in shade. 75 cts. for 3, \$2.20 for 10, \$15 per 100.

V., Jersey Gem. 8 in. An improved variety with showy violet-blue flowers which are produced more freely and over a longer season than most kinds. It is also very resistant to hot weather. \$1.05 for 3, \$3 for 10, \$20 per 100.

V. odorata, Gov. Herrick. 3 to 6 in. April to June. Fine, large flowers of clear blue, moderately fragrant.

VIOLA, continued

V. odorata, Single Russian. *Sweet Violet.* 6 to 8 in. May to October. Fine flowers of rich fragrance produced at intervals all summer.

V. odorata, Double Russian. A lovely double form of the preceding. Flowers large and richly fragrant. \$1.20 for 3, \$3 for 10, \$24 per 100.

***V. pedata.** *Bird's-foot Violet.* 6 in. One of the best wild flowers and one of the first to bloom. Deep purple flowers and fine cut leaves.

V. wellsiana. Large, single, fragrant flowers, of a deep rich purple color. Close, compact foliage.

Tufted Pansies (*Viola cornuta*)

The following varieties of Tufted Pansies are the result of hybridizing *Viola cornuta* with other species. They are somewhat showier than the straight Cornuta varieties but generally less compact in habit.

75 cts. for 3 of one kind, \$2.20 for 10, \$15 per 100

Admiration. Rich dark blue.

Blue Perfection. Mauve, yellow eye.

Lutea. Golden yellow.

Mauve Queen. Fine, reddish violet.

Papilio. Similar to Cornuta in color but larger and more wavy.

Purple Queen. Purplish violet. Fine.

White Perfection. A fine white flower.

YUCCA

***Yucca filamentosa.** *Common Yucca.* 4 to 5 ft. June and July. Very ornamental, sword-like foliage, and tall spikes of fragrant, drooping bell-shaped, creamy white flowers. A showy landscape plant for bold effects. 2-yr. plants, 90 cts. for 3, \$2.40 for 10, \$18 per 100; 3-yr. plants, \$1.05 for 3, \$3 for 10, \$20 per 100.

A List of Particularly Interesting Perennials

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<i>Aconitum fisheri</i>	42
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The President's Cup awarded us last autumn for Perennials and Rock Plants at the show of the Massachusetts Horticultural Society. The cup was donated by Mr. Albert C. Burrage, President of the Society.



FRUIT TREES

APPLES

Standard Apples

The trees we offer have all been inspected for trueness of name, although not all individually certified.

2-yr. trees, 5 to 7 ft., 11/16-in. cal., \$1 each,
\$9 for 10, \$85 per 100

Baldwin	Porter
Cortland	Red Astrachan
Delicious	R. I. Greening
Golden Russet	Roxbury Russet
Golden Sweet	Stayman's Winesap
Gravenstein	Tolman Sweet
McIntosh Red	Williams Early Red
Yellow Transparent	

Certified Apples

Our 3-year and 4-year Apple Trees have all been certified individually as to trueness of name by Prof. J. K. Shaw, of the Massachusetts Agricultural College.

3-yr. certified trees, 5 to 7 ft., \$1.50 each, \$13.50 for 10

Delicious	Northern Spy
Fameuse	Red Astrachan
Golden Sweet	R. I. Greening
Grimes Golden	Spitzenburg
Hubbardston Nonsuch	Stayman's Winesap
Yellow Transparent	

4-yr. certified trees, 6 to 7 ft., \$2 each, \$18 for 10

Delicious	R. I. Greening
Northern Spy	Williams Early Red

Dwarf Apples

2-yr. trees, \$1.25 each, \$11 for 10

Baldwin	Red Astrachan
Delicious	R. I. Greening
McIntosh Red	Yellow Transparent

Crab-Apples

2-yr. trees, 5 to 7 ft., \$1 each, \$9 for 10

Hyslop	Martha
Transcendent	

PEARS

Standard Pears

3-yr. trees, 5 to 7 ft., \$1.50 each, \$14 for 10

Bartlett	Seckel
Beurre Bosc	Sheldon
Clapp's Favorite	Winter Nelis

Dwarf Pears

3-yr. trees, \$1.50 each, \$12.50 for 10

Bartlett	Duchesse d'Angouleme
Clapp's Favorite	Seckel

CHERRIES

2-yr. trees, 5 to 7 ft., 11/16-in. cal., \$1.50 each,
\$14 for 10

Black Tartarian	Montmorency
Early Richmond	Napoleon Bigarreau
Governor Wood	Windsor
Yellow Spanish	

PEACHES

1-yr. trees, 4 to 5 ft., 75 cts. each, \$6 for 10, \$50 per 100

Belle of Georgia	Foster
Champion	J. H. Hale
Crawford Early	Oldmixon Free
Crawford Late	Rochester
Elberta	Stump the World

PLUMS

2-yr. trees, \$1.50 each, \$14 for 10

Abundance	Italian Prune
Bradshaw	Lombard
Burbank	Reine Claude
Shropshire Damson	

QUINCES

4 to 5 ft., \$1.25 each, \$11 for 10

Champion	Orange
Meech's Prolific	Rea's Mammoth

Small Fruits

BLACKBERRIES

\$1.25 for 10, \$10 per 100

Erie	Rathbun
Eldorado	Snyder

GRAPES

3-yr. plants, 60 cts. each, \$5 for 10, \$45 per 100,
except as noted

Blue and Black Varieties

Campbell's Early	Moore's Early
Concord	Worden

Red Varieties

Caco. 75 cts. each.	Delaware
Catawba	Salem

White Varieties

Green Mountain. 75 cts. each	Niagara
Moore's Diamond	

4-yr. plants, 90 cts. each, \$7.50 for 10
Concord

RASPBERRIES

Strong plants.	10	100
Columbian. Red	\$1 25	\$10 00
Cumberland. Black	1 25	10 00
Cuthbert. Red	1 25	10 00
Golden Queen. Yellow	1 50	12 00
Herbert. Red	1 25	10 00
Latham. Splendid new red everbearing	2 00	18 00
Marlboro	1 25	10 00
Ranere (St. Regis). Red; everbearing	1 25	10 00

STRAWBERRIES

Runner plants.	25	100	1,000
Aroma. Late	\$1 00	\$3 00	\$25 00
Marshall. Midseason	1 00	3 00	25 00
Progressive. Everbearing	1 25	4 00	35 00
Senator Dunlap. Early	1 00	3 00	25 00

ASPARAGUS

2-yr., \$1 for 25, \$3 per 100; 3-yr., \$1.50 for 25,
\$4.50 per 100

Conover's Colossal	Martha Washington
Giant Argenteuil	Palmetto

RHUBARB

	Each	10	100
Myatt's Linnæus	\$0 50	\$4 50	\$36 00
Victoria	50	4 50	36 00

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Planting and Care

The Time to Plant

The great bulk of planting is done in spring—the earlier, the better. Many herbaceous perennials, and most shrubs, fruit trees, and shade trees, are successfully planted at that time. Evergreens, however, are best moved in early autumn, before the middle of October. Autumn planting is also recommended for shrubs, deciduous trees, and roses, particularly the hardy climbing roses and the shrubby types. Perennials may be planted in September, giving them time to become established before winter.

How to Plant

To a person not experienced in planting trees, it seems quite a task, but in reality it is not difficult. More plants are killed by intended kindness than by willful neglect. Some people are so fussy in planting that they needlessly consume a great deal of time setting a single tree, while there are others drying up awaiting their turn. Do not dig the holes until the plants are on the ground and ready to be put in. A fresh hole for every plant. Plants must not be allowed to remain on top of the ground in the sun, but must be taken one by one from the boxes, or all at one time, and heeled into the ground properly, to be removed as wanted for planting. Dig the holes sufficiently large so that the roots may spread out laterally in their natural position without cramping. Do not dig the holes too deep or too shallow—the collar on the plant will indicate how deeply it was planted in the ground before it was taken up.

Set it about one inch deeper. Use only well-pulverized loam in filling in around the roots. **No sods or manure should be used under any circumstances.** Shake the soil in gradually and jostle the tree or plant until every crevice is filled and no air-chambers left. In case of trees that are too large to be jostled, it is often necessary to tamp the dirt with a hoe handle or other smooth stick that will not injure the roots. After the roots have been well covered in this way, the ground should be thoroughly firmed and the hole filled again and the second time trodden. Do not be afraid of making the ground too firm around the roots. The final filling should be left without treading. When trees or shrubs are planted in this way, there is little danger of their dying.

Puddling

In case it is very dry, dip the roots into a thick mud paste before planting. This is known as “puddling” the roots. If the season is wet, it is not necessary.

Mulching

We strongly recommend mulching freshly planted trees and shrubs with manure. It

conserves moisture, furnishes food for the plants, and renders watering unnecessary except in unusually dry periods.

Formulas for Spraying

Formulas can be had at all of the Agricultural Experiment Stations throughout the United States, and bulletins containing the most efficient and up-to-date methods of applying the same.

Planting Evergreens

It is no more difficult to plant evergreens than deciduous trees, but extra care must be taken that the roots are not allowed to become dry. A few special hints are given in the section of this catalogue devoted to them.

How to Lay Out an Estate

First of all, look at the place in its entirety, as you look upon a picture that you are about to frame, and seek to produce the same effect with planting as the frame produces upon the picture. Arrange the planting so that it will balance, not too heavy at one place and too light at another. Don't scatter shrubs all over the place. If the estate is large, consult a landscape architect. It will save you money. If you don't know where to find one, write to us, and we will put you in touch with a thoroughly reliable architect, as we know scores of them.

If the house is set high on its foundation, make a planting on both sides of the front door, to give the entrance a setting. Arrange a planting at the corners and along the outer sides. On the lawn, set a few ornamental trees, deciduous and evergreen, to give character and dignity to the place; but miscellaneous shrubs scattered aimlessly over the place give neither character nor dignity.

Heights must be taken into account in selecting perennials. Arrange them to have something in bloom continuously through the season. This can be done. Last of all, take into account foliage effects and autumn tintings. Never plant hybrid tea roses on the front lawn; they should be planted in the rear, in beds, not scattered about, one here and one there.

A Final Word About Evergreens

Both broad and narrow-leaved evergreens are being planted more and more, because they give a warm, comfortable appearance in the winter and beauty in the summer. Narrow-leaved evergreens spruces, firs, hemlocks, etc., are known as conifers. Many are too large for small estates, but we have for years been getting together a collection of dwarf evergreens that never assume large proportions, but become more and more beautiful with age, never becoming ragged and unsightly.

THE BAY STATE NURSERIES

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Ship on _____ by _____ We will ship the best way if left to us

State when wanted

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General Directions to Customers

➡ PLEASE READ CAREFULLY BEFORE ORDERING

Order Early. Do not delay until the last moment before sending in your order. The reason is apparent. It is to our mutual advantage that you order early.

How to Order. All orders should be written plainly (this will insure against mistakes), stating the method of transit, whether by express, freight, parcel post, or truck. Write plainly the post office, express, or freight stations, as the case may be, and sign your name plainly.

Packing and Shipping Directions. All trees and plants are labeled and carefully packed and delivered to the forwarders here at North Abington at prices published semi-annually and which will be furnished to all requesting them. If no instructions as to method of shipment are given, we shall use our best judgment. On account of the perishable nature of all nursery stock, we recommend that all small orders go by express. All evergreens are lifted with a ball of earth and are carefully burlapped, and can be so packed as to go safely by freight. But all herbaceous plants should be sent by **express** and **never by freight** except in carload lots. In all cases, the stock when it has been packed and delivered to the forwarder, is at the purchaser's risk, and should loss occur by delay in transit or accident by the forwarders, **they and not we** must be held responsible.

Terms. Our terms are cash, unless by special agreement. Charge accounts may be opened upon receipt of the names of two or more parties with whom the customer has credit relations, or by sending us bank or trade references, allowing us time for investigation. We can ship by express C. O. D. when desired, with charges for collection added to the bill—provided 20 per cent of the amount of the order accompanies the same as a guarantee. All accounts unpaid after the due date will be subject to sight draft without further notice.

Claims. Claims for reductions must be made immediately upon receipt of the goods. On account of weather and soil conditions and after-treatment it would not be possible for us to give any guarantee that the plants will grow. Neither should we be held responsible for errors or delinquencies of the forwarders.

Prices. Quality and not price only should be the guiding factor in purchasing nursery products. Cheap nursery stock is dear at any price. Our prices are not cheap; neither is our stock. Our prices are reasonable when quality and service are considered and are f. o. b. Nurseries.

Shipping Season. Our spring shipping season begins about March 25 and continues until the last of May. In the fall we begin shipping with evergreens and perennials in August, deciduous trees and shrubs the last of September, and continue shipping until the ground freezes up for winter.

Non-Guarantee. We give no warranty, expressed or implied, as to quality, description, productiveness of any nursery stock that we sell. The only guarantee that we make is that our stock is alive at time of shipment and true to name. No complaints will be considered that are not made within ten days after receipt of order. Any stock ordered from this catalogue, found untrue to name, will be cheerfully replaced at the first favorable opportunity for planting, after it has been found not as ordered.

Location of Our Nurseries. The Bay State Nurseries are located in North Abington, Mass., 18 miles south of Boston, on the N. Y., N. H. & H. R. R., half way from Boston to Plymouth. Trains leave the South Station at frequent intervals during the day. Visitors are always welcome. When notified, we meet visitors at the station with an automobile, and take them to the office.

Quick Transportation to Boston, New York, and the West. Our nurseries are so located that consignments arrive in Boston and New York the morning after the shipment is made. Shipments leaving here at noon for New York and points beyond arrive in New York the following morning. Shipments for Boston and points beyond, leaving here in the evening, arrive in Boston the following morning.



Inspector's Certificate Accompanies Every Shipment

THE BAY STATE NURSERIES

NORTH ABINGTON, MASS.

W. H. WYMAN & SON, Proprietors

The Bay State Nurseries

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NORTH ABINGTON, MASS.

